

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW091018\  
 Data File : VW005249.D  
 Acq On : 10 Sep 2018 19:12  
 Operator : SY/AP  
 Sample : VW0910SBSD01  
 Misc : 5.00G/5ML/MSVOA\_W/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0910SBSD01

Quant Time: Sep 11 03:50:23 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W091018S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 11 03:48:23 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.96  | 168  | 513144   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.85  | 114  | 739825   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.64 | 117  | 752226   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 401520   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| System Monitoring Compounds |        |     |          |       |         |      |
| 33) 1,2-Dichloroethane-d4   | 8.31   | 65  | 195414   | 51.06 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 102.12% |      |
| 35) Dibromofluoromethane    | 7.89   | 113 | 194876   | 50.28 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 100.56% |      |
| 50) Toluene-d8              | 10.33  | 98  | 977985   | 49.94 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 99.88%  |      |
| 62) 4-Bromofluorobenzene    | 12.63  | 95  | 357558   | 49.92 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 99.84%  |      |

| Target Compounds              |      |     |        |              | Qvalue |
|-------------------------------|------|-----|--------|--------------|--------|
| 2) Dichlorodifluoromethane    | 2.00 | 85  | 94705  | 21.395 ug/l  | 97     |
| 3) Chloromethane              | 2.22 | 50  | 124652 | 21.063 ug/l  | 100    |
| 4) Vinyl Chloride             | 2.36 | 62  | 114386 | 21.054 ug/l  | 100    |
| 5) Bromomethane               | 2.75 | 94  | 78596  | 22.190 ug/l  | 99     |
| 6) Chloroethane               | 2.91 | 64  | 62537  | 20.896 ug/l  | 97     |
| 7) Trichlorofluoromethane     | 3.26 | 101 | 124098 | 20.192 ug/l  | 93     |
| 8) Diethyl Ether              | 3.69 | 74  | 45202  | 20.637 ug/l  | 97     |
| 9) 1,1,2-Trichlorotrifluoroet | 4.07 | 101 | 86891  | 19.793 ug/l  | 98     |
| 10) Methyl Iodide             | 4.28 | 142 | 81965  | 17.349 ug/l  | 99     |
| 11) Tert butyl alcohol        | 5.17 | 59  | 41252  | 131.429 ug/l | 97     |
| 12) 1,1-Dichloroethene        | 4.04 | 96  | 80901  | 20.015 ug/l  | 99     |
| 13) Acrolein                  | 3.90 | 56  | 33275  | 109.750 ug/l | 100    |
| 14) Allyl chloride            | 4.68 | 41  | 125872 | 20.267 ug/l  | 99     |
| 15) Acrylonitrile             | 5.38 | 53  | 104732 | 105.985 ug/l | 100    |
| 16) Acetone                   | 4.13 | 43  | 77061  | 108.473 ug/l | 100    |
| 17) Carbon Disulfide          | 4.38 | 76  | 276625 | 19.497 ug/l  | 100    |
| 18) Methyl Acetate            | 4.68 | 43  | 46943  | 22.136 ug/l  | 97     |
| 19) Methyl tert-butyl Ether   | 5.43 | 73  | 201905 | 20.972 ug/l  | 99     |
| 20) Methylene Chloride        | 4.93 | 84  | 126367 | 22.097 ug/l  | 99     |
| 21) trans-1,2-Dichloroethene  | 5.43 | 96  | 94914  | 20.111 ug/l  | 98     |
| 22) Diisopropyl ether         | 6.32 | 45  | 266018 | 21.275 ug/l  | 95     |
| 23) Vinyl Acetate             | 6.26 | 43  | 730104 | 104.776 ug/l | 99     |
| 24) 1,1-Dichloroethane        | 6.22 | 63  | 156359 | 20.315 ug/l  | 98     |
| 25) 2-Butanone                | 7.18 | 43  | 124759 | 111.334 ug/l | 96     |
| 26) 2,2-Dichloropropane       | 7.17 | 77  | 133808 | 20.051 ug/l  | 98     |
| 27) cis-1,2-Dichloroethene    | 7.18 | 96  | 102838 | 20.360 ug/l  | 97     |
| 28) Bromochloromethane        | 7.52 | 49  | 61630  | 21.705 ug/l  | # 96   |
| 29) Tetrahydrofuran           | 7.54 | 42  | 80299  | 106.334 ug/l | 98     |
| 30) Chloroform                | 7.68 | 83  | 157865 | 20.438 ug/l  | 98     |
| 31) Cyclohexane               | 7.96 | 56  | 168018 | 20.515 ug/l  | 96     |
| 32) 1,1,1-Trichloroethane     | 7.88 | 97  | 137733 | 19.738 ug/l  | 99     |
| 36) 1,1-Dichloropropene       | 8.09 | 75  | 134095 | 19.784 ug/l  | 100    |
| 37) Ethyl Acetate             | 7.26 | 43  | 56723  | 22.002 ug/l  | 100    |
| 38) Carbon Tetrachloride      | 8.08 | 117 | 122807 | 19.342 ug/l  | 95     |

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 Sample : VW0910SBSD01  
 Misc : 5.00G/5ML/MSVOA\_W/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0910SBSD01

Quant Time: Sep 11 03:50:23 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W091018S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 11 03:48:23 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.34  | 83   | 168264   | 18.697  | ug/l   | 94       |
| 40) Benzene                    | 8.33  | 78   | 403703   | 20.217  | ug/l   | 100      |
| 41) Methacrylonitrile          | 7.50  | 41   | 33435    | 25.278  | ug/l   | 94       |
| 42) 1,2-Dichloroethane         | 8.41  | 62   | 95928    | 20.080  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.43  | 43   | 101000   | 21.096  | ug/l   | 98       |
| 44) Trichloroethene            | 9.10  | 130  | 107228   | 19.574  | ug/l   | 98       |
| 45) 1,2-Dichloropropane        | 9.38  | 63   | 98912    | 20.608  | ug/l   | 95       |
| 46) Dibromomethane             | 9.46  | 93   | 47826    | 20.356  | ug/l   | 96       |
| 47) Bromodichloromethane       | 9.65  | 83   | 115504   | 20.097  | ug/l   | 97       |
| 48) Methyl methacrylate        | 9.45  | 41   | 47857    | 19.252  | ug/l   | 94       |
| 49) 1,4-Dioxane                | 9.45  | 88   | 17781    | 405.360 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone       | 10.22 | 43   | 280235   | 104.015 | ug/l   | 100      |
| 52) Toluene                    | 10.40 | 92   | 291605   | 20.092  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.61 | 75   | 123848   | 19.940  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 10.08 | 75   | 149896   | 20.153  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 10.79 | 97   | 75809    | 20.237  | ug/l   | 97       |
| 56) Ethyl methacrylate         | 10.65 | 69   | 93611    | 19.711  | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 10.94 | 76   | 126098   | 20.272  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.93  | 63   | 220735   | 106.937 | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.98 | 43   | 202084   | 104.044 | ug/l   | 99       |
| 60) Dibromochloromethane       | 11.13 | 129  | 82313    | 19.803  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 11.24 | 107  | 69200    | 20.144  | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.87 | 164  | 109987   | 19.708  | ug/l   | 98       |
| 65) Chlorobenzene              | 11.66 | 112  | 321359   | 19.502  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 11.74 | 131  | 94708    | 19.249  | ug/l   | 98       |
| 67) Ethyl Benzene              | 11.74 | 91   | 560018   | 19.515  | ug/l   | 98       |
| 68) m/p-Xylenes                | 11.85 | 106  | 450895   | 38.991  | ug/l   | 99       |
| 69) o-Xylene                   | 12.17 | 106  | 208692   | 19.397  | ug/l   | 99       |
| 70) Styrene                    | 12.19 | 104  | 342940   | 19.534  | ug/l   | 99       |
| 71) Bromoform                  | 12.35 | 173  | 50481    | 18.923  | ug/l   | 99       |
| 73) Isopropylbenzene           | 12.47 | 105  | 561816   | 19.804  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.28 | 43   | 110253   | 20.426  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.72 | 83   | 87176    | 20.447  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.77 | 75   | 114456   | 37.061  | ug/l # | 100      |
| 77) Bromobenzene               | 12.76 | 156  | 135061   | 20.208  | ug/l   | 98       |
| 78) n-propylbenzene            | 12.81 | 91   | 685068   | 20.106  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.90 | 91   | 391144   | 20.019  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.95 | 105  | 482495   | 19.973  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.52 | 75   | 24959    | 18.954  | ug/l   | 95       |
| 82) 4-Chlorotoluene            | 12.99 | 91   | 415915   | 20.252  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 13.21 | 119  | 407929   | 19.308  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene     | 13.26 | 105  | 487870   | 20.097  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.39 | 105  | 600758   | 19.785  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.51 | 119  | 530645   | 19.742  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.51 | 146  | 278198   | 19.823  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.58 | 146  | 276291   | 20.045  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.83 | 91   | 485678   | 19.221  | ug/l   | 98       |
| 90) Hexachloroethane           | 14.10 | 117  | 81505    | 18.926  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene        | 13.88 | 146  | 247315   | 20.050  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.49 | 75   | 14529    | 20.492  | ug/l   | 95       |

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Operator : SY/AP  
Sample : VW0910SBSD01  
Misc : 5.00G/5ML/MSVOA\_W/SOIL  
ALS Vial : 16 Sample Multiplier: 1

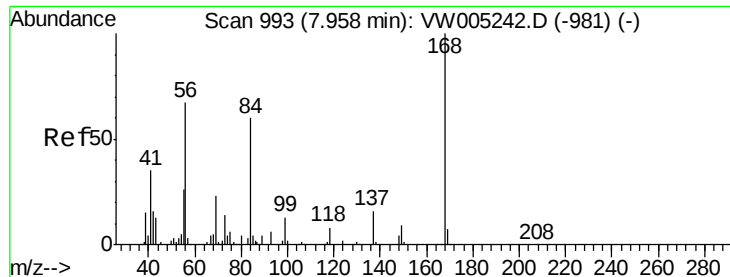
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0910SBSD01

Quant Time: Sep 11 03:50:23 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W091018S.M  
Quant Title : SW846 8260  
QLast Update : Tue Sep 11 03:48:23 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.15 | 180  | 165104   | 18.922 | ug/l  | 100      |
| 94) Hexachlorobutadiene    | 15.25 | 225  | 105690   | 18.916 | ug/l  | 99       |
| 95) Naphthalene            | 15.38 | 128  | 267914   | 18.938 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.57 | 180  | 146795   | 19.552 | ug/l  | 99       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW005249.D

Acq: 10 Sep 2018 19:12

Instrument :

MSVOA\_W

ClientSampleId :

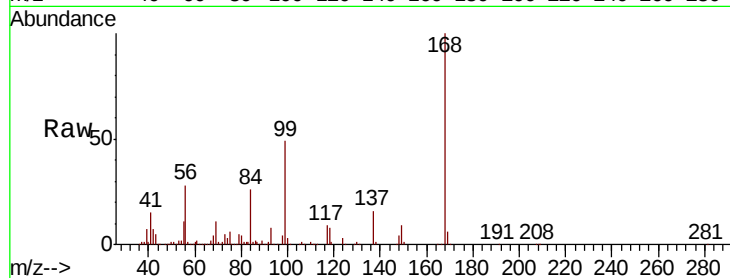
VW0910SBSD01

Tgt Ion:168 Resp: 513144

Ion Ratio Lower Upper

168 100

99 49.2 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.96

250000

200000

150000

100000

50000

0

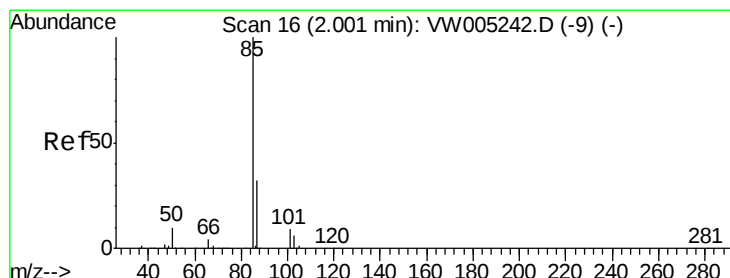
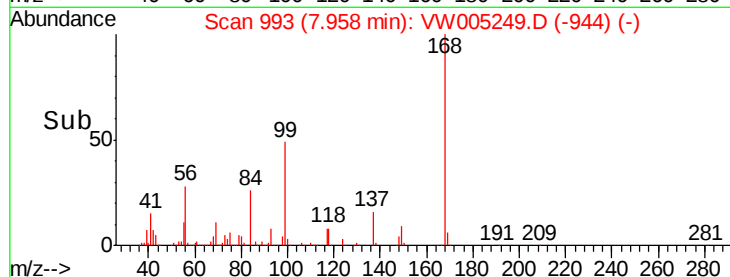
7.80

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 21.395 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.00 min

Lab File: VW005249.D

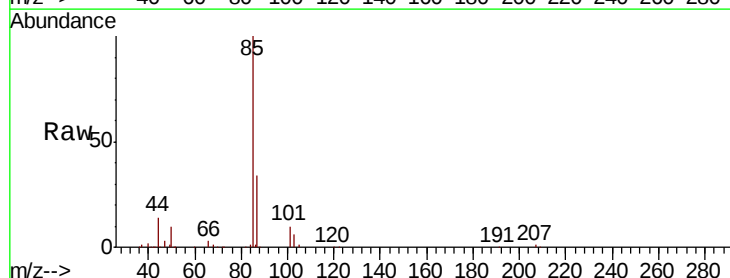
Acq: 10 Sep 2018 19:12

Tgt Ion: 85 Resp: 94705

Ion Ratio Lower Upper

85 100

87 33.7 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

60000

40000

20000

0

1.90

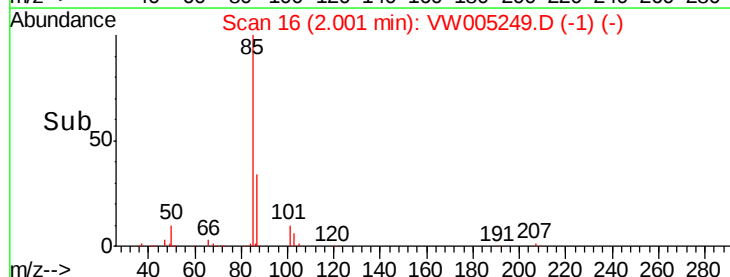
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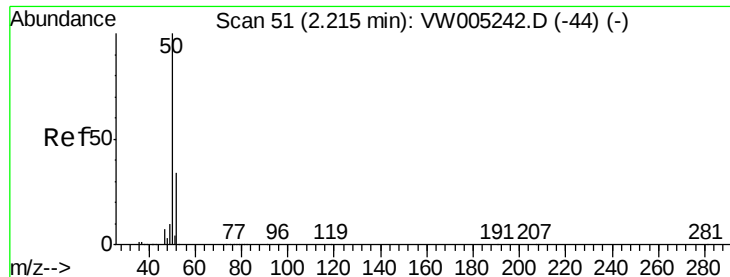
2.00

2.05

2.10

Time-->





#3

Chloromethane

Concen: 21.063 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW005249.D

Acq: 10 Sep 2018 19:12

Instrument :

MSVOA\_W

ClientSampleId :

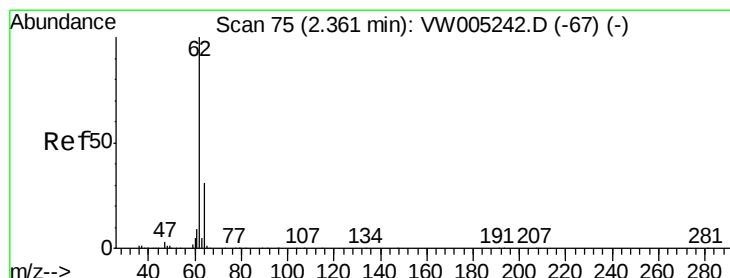
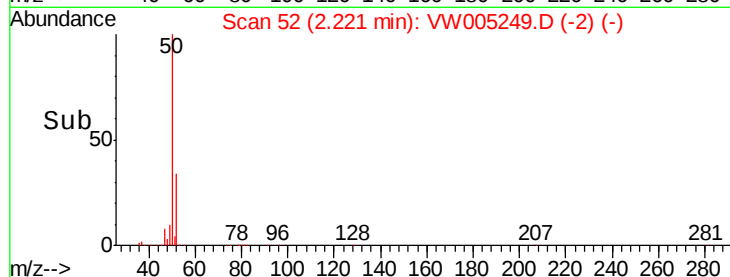
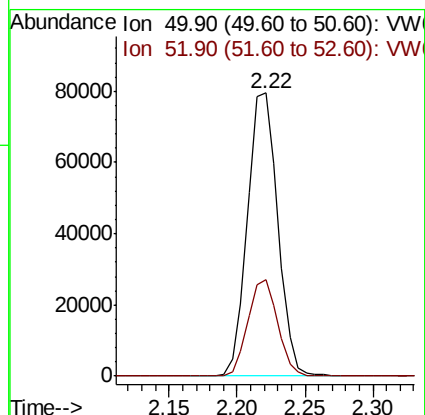
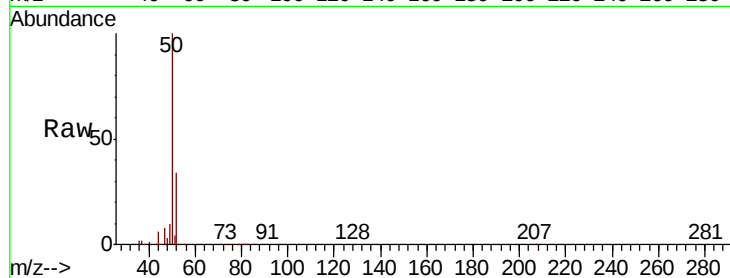
VW0910SBSD01

Tgt Ion: 50 Resp: 124652

Ion Ratio Lower Upper

50 100

52 33.9 27.0 40.4



#4

Vinyl Chloride

Concen: 21.054 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW005249.D

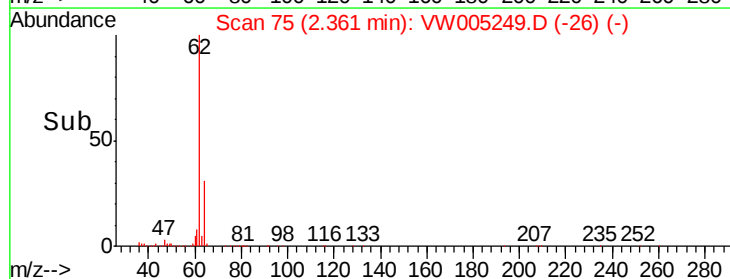
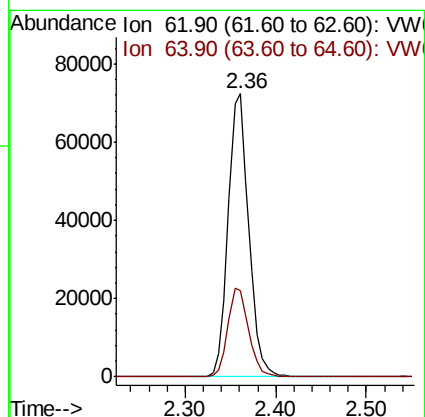
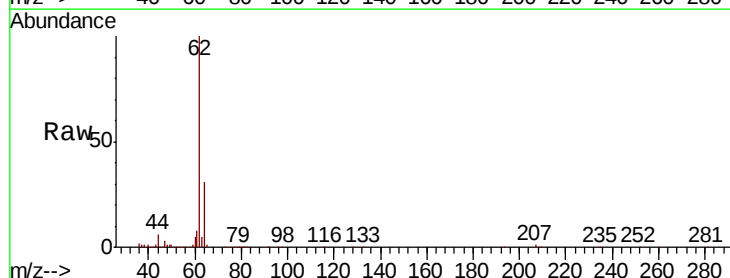
Acq: 10 Sep 2018 19:12

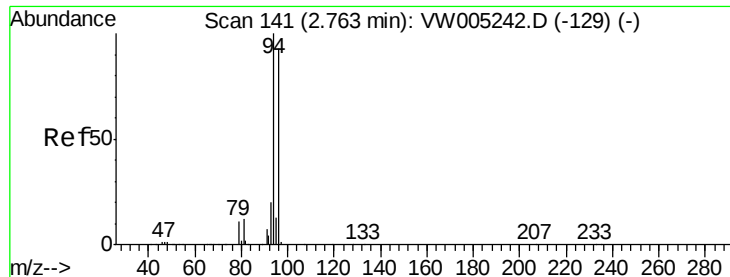
Tgt Ion: 62 Resp: 114386

Ion Ratio Lower Upper

62 100

64 30.6 24.6 37.0





#5

Bromomethane

Concen: 22.190 ug/l

RT: 2.75 min Scan# 139

Delta R.T. -0.01 min

Lab File: VW005249.D

Acq: 10 Sep 2018 19:12

Instrument :

MSVOA\_W

ClientSampleId :

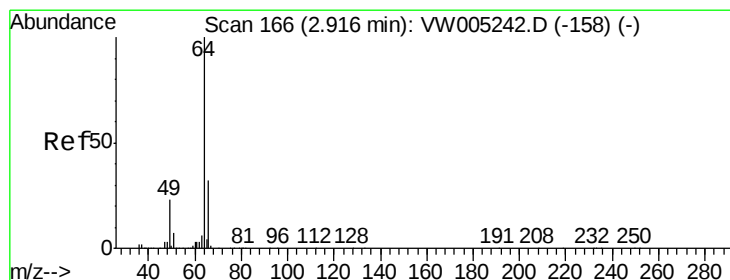
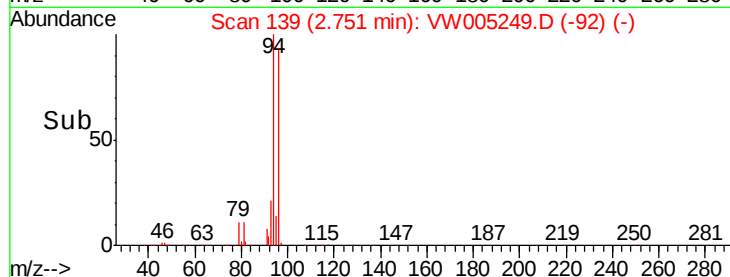
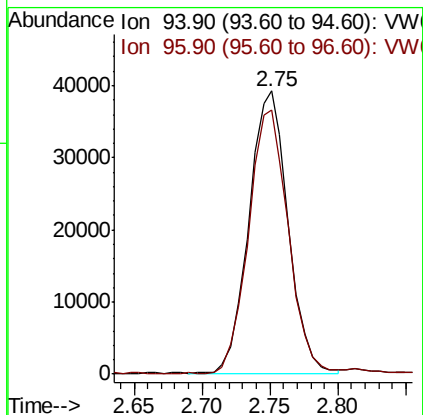
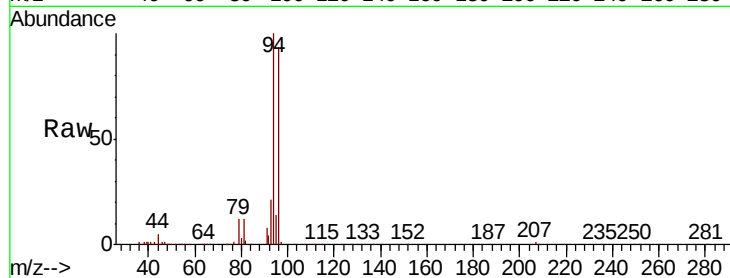
VW0910SBSD01

Tgt Ion: 94 Resp: 78596

Ion Ratio Lower Upper

94 100

96 93.1 74.1 111.1



#6

Chloroethane

Concen: 20.896 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW005249.D

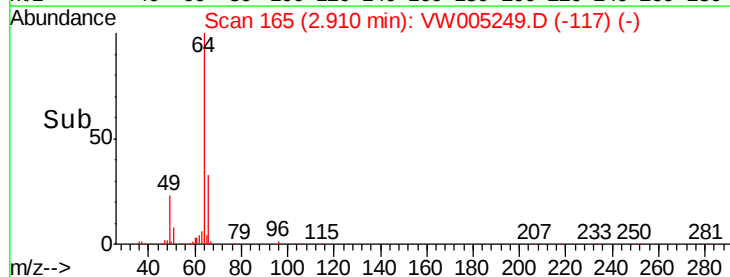
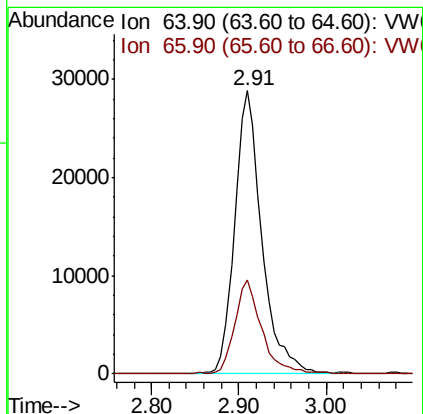
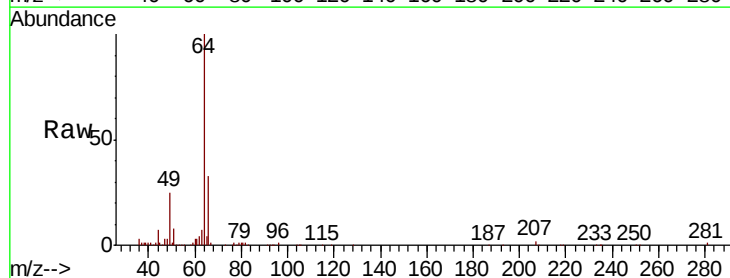
Acq: 10 Sep 2018 19:12

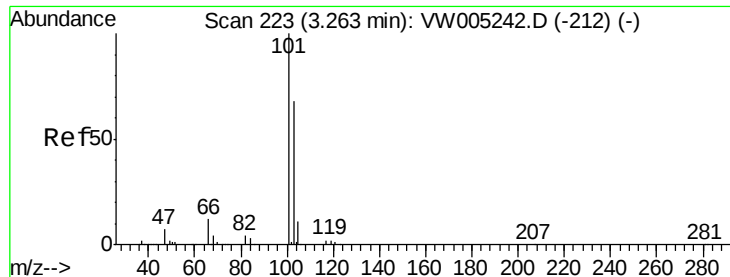
Tgt Ion: 64 Resp: 62537

Ion Ratio Lower Upper

64 100

66 33.3 25.3 37.9



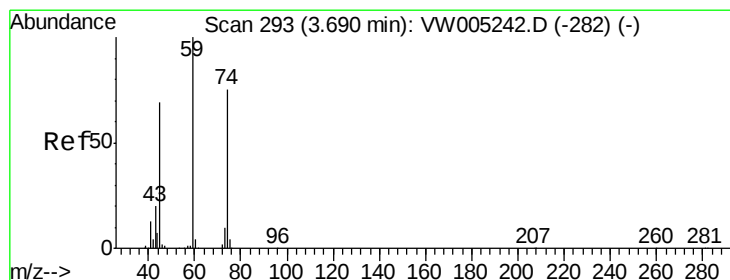
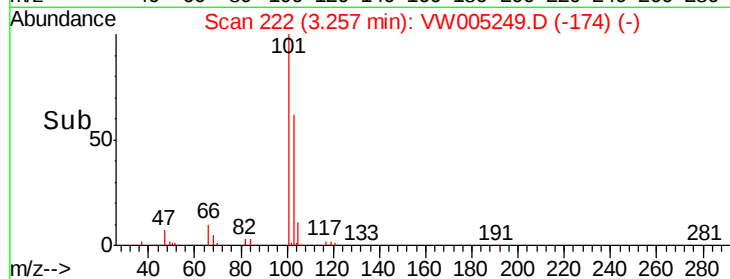
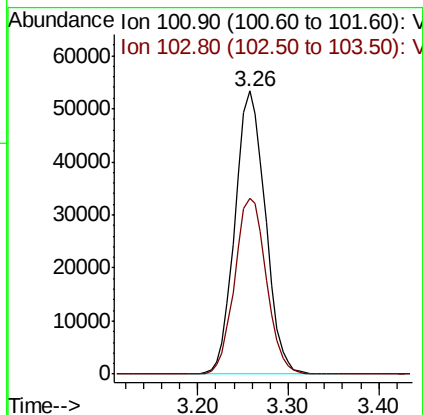
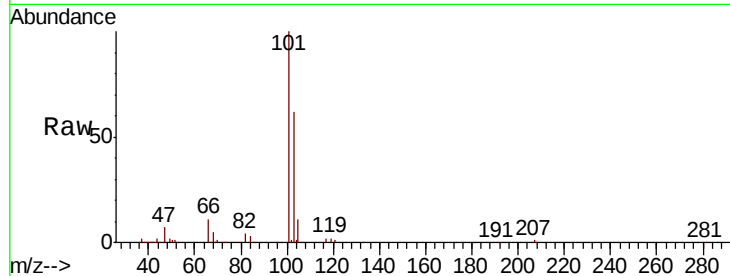


#7

Trichlorofluoromethane  
Concen: 20.192 ug/l  
RT: 3.26 min Scan# 222  
Delta R.T. -0.01 min  
Lab File: VW005249.D  
Acq: 10 Sep 2018 19:12

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0910SBSD01

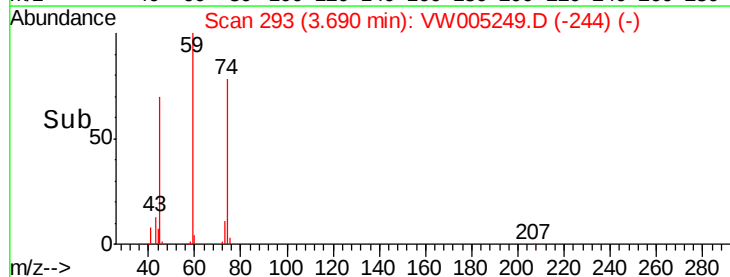
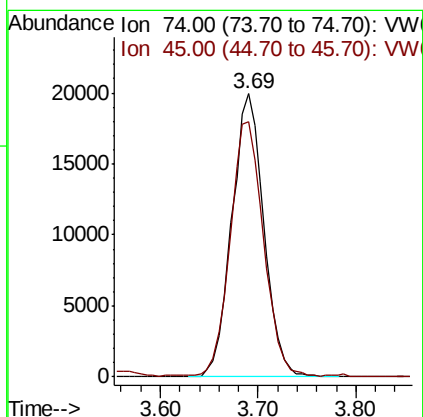
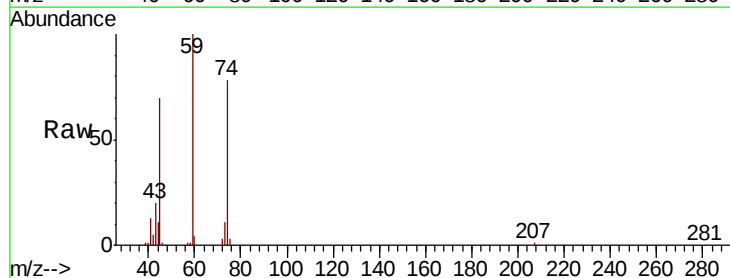
Tgt Ion:101 Resp: 124098  
Ion Ratio Lower Upper  
101 100  
103 62.1 54.1 81.1

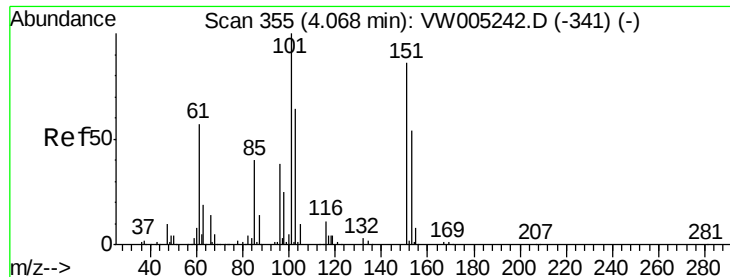


#8

Diethyl Ether  
Concen: 20.637 ug/l  
RT: 3.69 min Scan# 293  
Delta R.T. -0.00 min  
Lab File: VW005249.D  
Acq: 10 Sep 2018 19:12

Tgt Ion: 74 Resp: 45202  
Ion Ratio Lower Upper  
74 100  
45 92.7 45.1 135.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.793 ug/l

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW005249.D

Acq: 10 Sep 2018 19:12

Instrument :

MSVOA\_W

ClientSampleId :

VW0910SBSD01

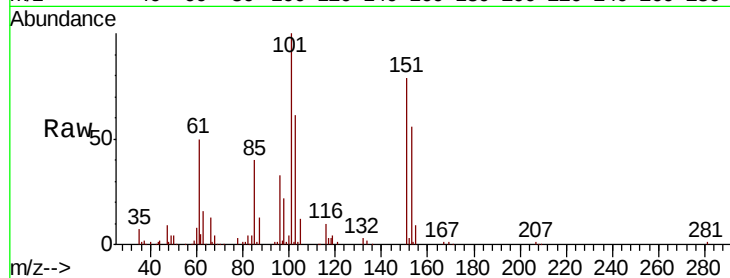
Tgt Ion:101 Resp: 86891

Ion Ratio Lower Upper

101 100

85 41.0 32.7 49.1

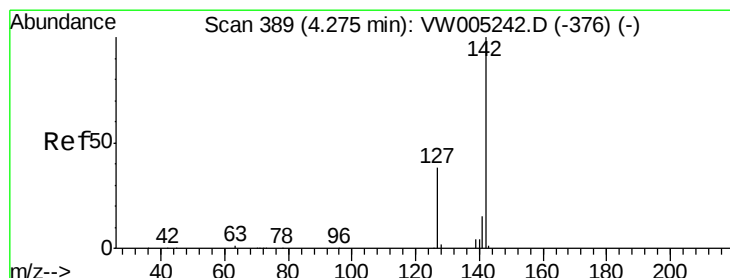
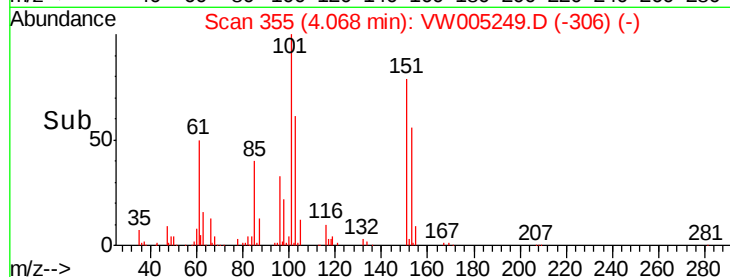
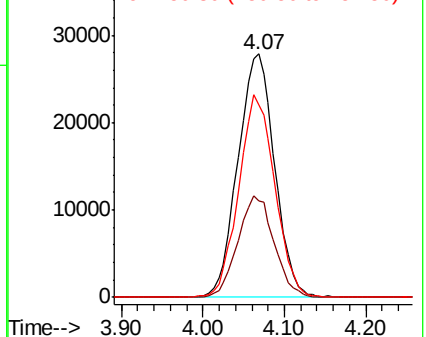
151 82.0 67.6 101.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.349 ug/l

RT: 4.28 min Scan# 389

Delta R.T. 0.00 min

Lab File: VW005249.D

Acq: 10 Sep 2018 19:12

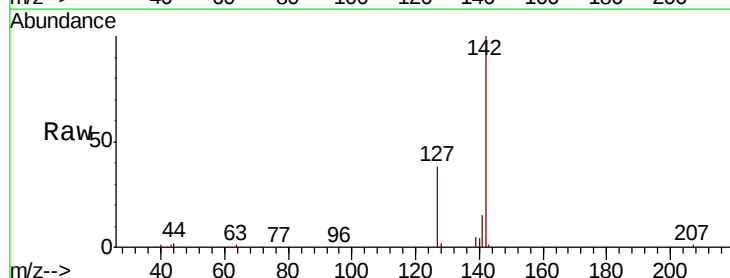
Tgt Ion:142 Resp: 81965

Ion Ratio Lower Upper

142 100

127 38.7 30.3 45.5

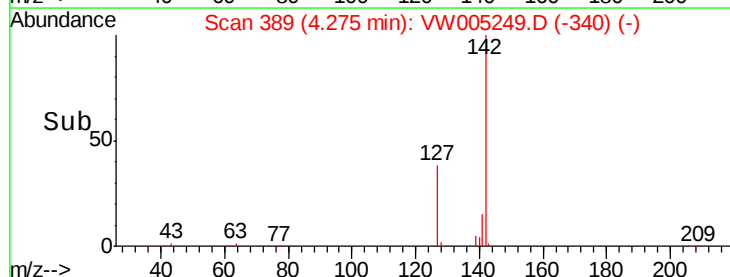
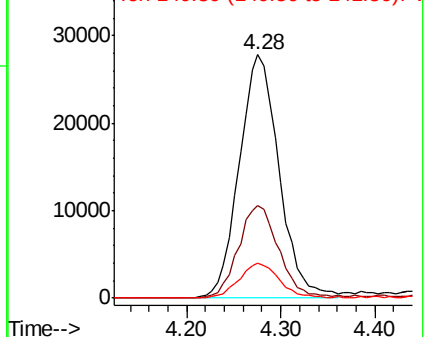
141 14.7 11.4 17.0

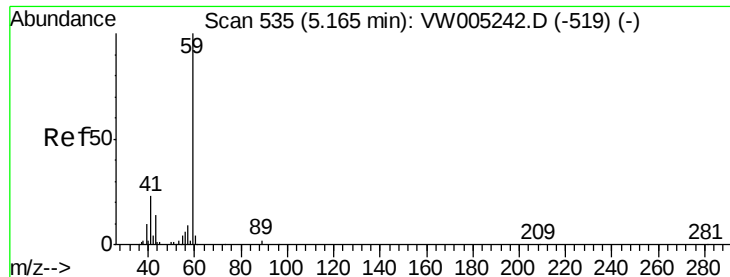


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



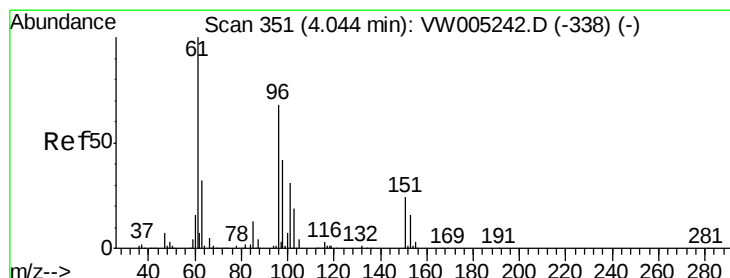
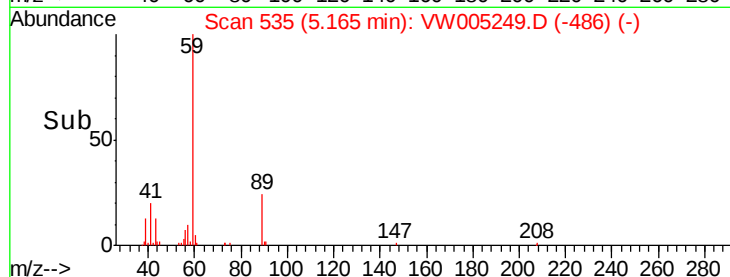
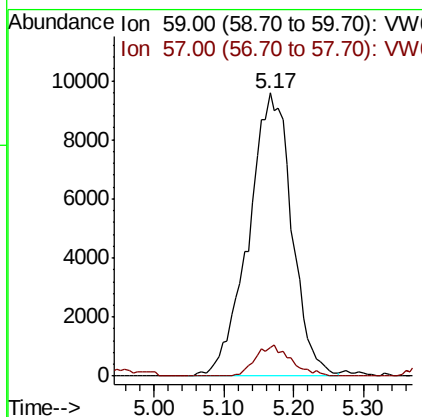
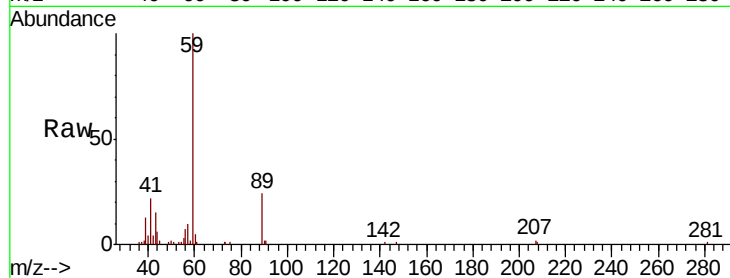


#11

Tert butyl alcohol  
 Concen: 131.429 ug/l  
 RT: 5.17 min Scan# 535  
 Delta R.T. -0.00 min  
 Lab File: VW005249.D  
 Acq: 10 Sep 2018 19:12

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0910SBSD01

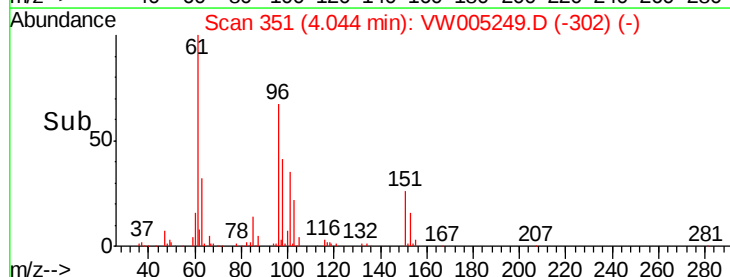
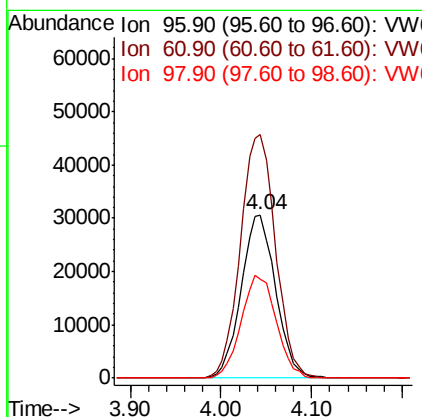
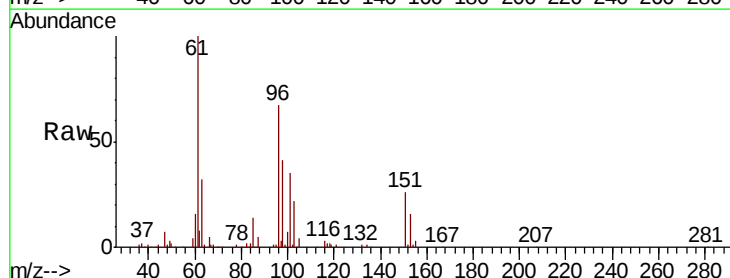
Tgt Ion: 59 Resp: 41252  
 Ion Ratio Lower Upper  
 59 100  
 57 9.0 8.1 12.1

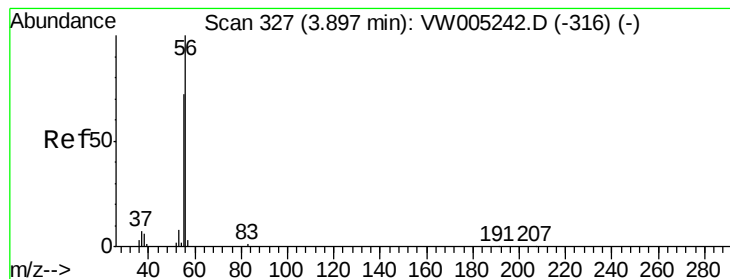


#12

1,1-Dichloroethene  
 Concen: 20.015 ug/l  
 RT: 4.04 min Scan# 351  
 Delta R.T. -0.00 min  
 Lab File: VW005249.D  
 Acq: 10 Sep 2018 19:12

Tgt Ion: 96 Resp: 80901  
 Ion Ratio Lower Upper  
 96 100  
 61 149.0 118.2 177.2  
 98 60.9 49.9 74.9





#13

Acrolein

Concen: 109.750 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.00 min

Lab File: VW005249.D

Acq: 10 Sep 2018 19:12

Instrument :

MSVOA\_W

ClientSampleId :

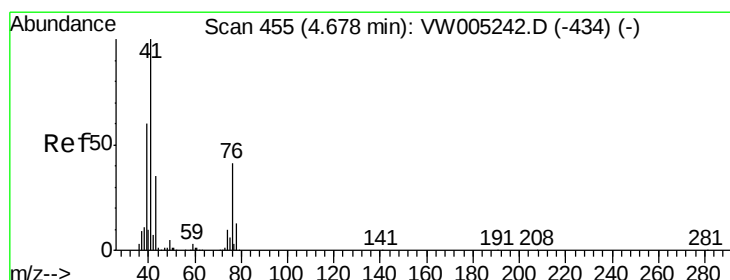
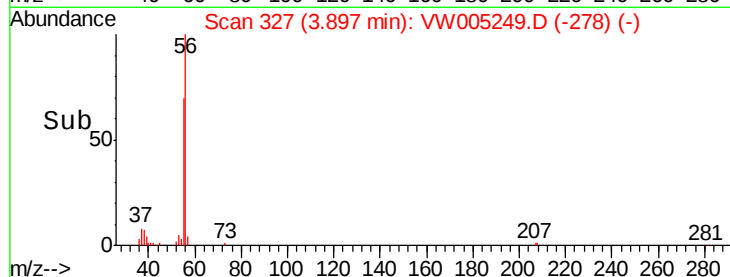
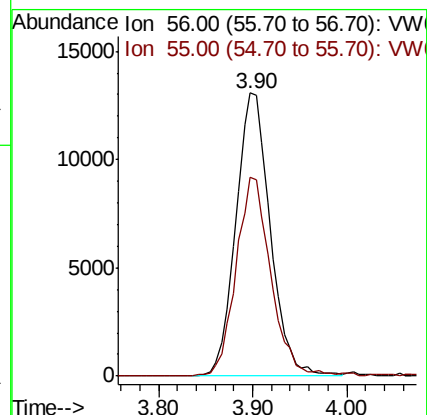
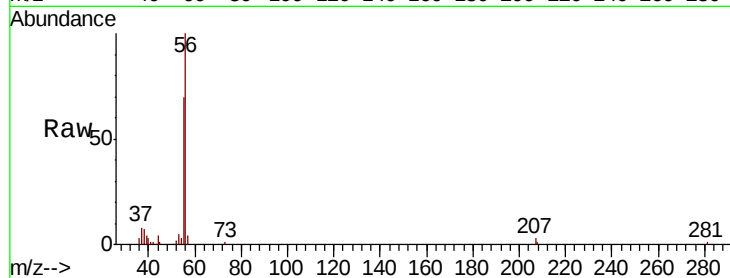
VW0910SBSD01

Tgt Ion: 56 Resp: 33275

Ion Ratio Lower Upper

56 100

55 70.9 56.8 85.2



#14

Allyl chloride

Concen: 20.267 ug/l

RT: 4.68 min Scan# 455

Delta R.T. -0.00 min

Lab File: VW005249.D

Acq: 10 Sep 2018 19:12

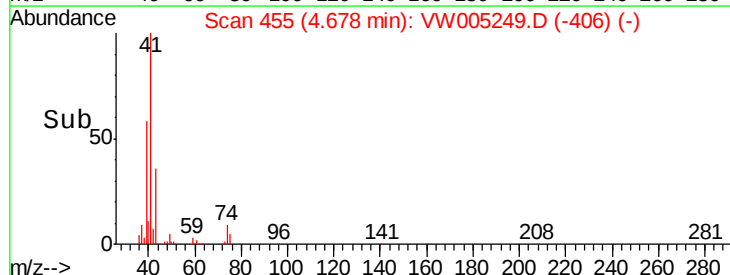
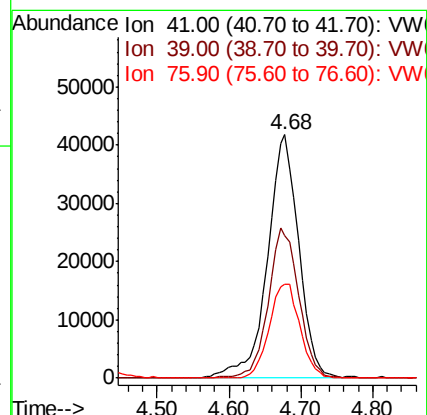
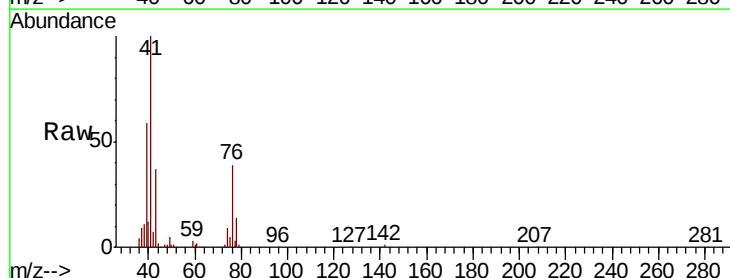
Tgt Ion: 41 Resp: 125872

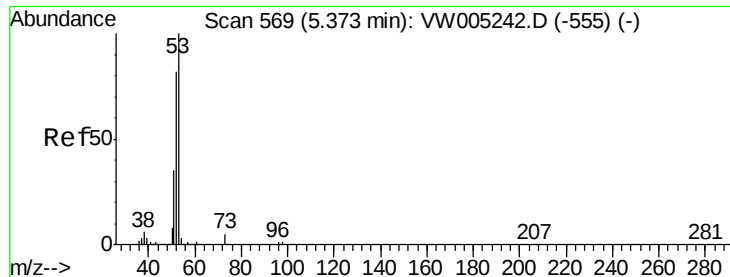
Ion Ratio Lower Upper

41 100

39 60.4 48.2 72.4

76 38.1 31.7 47.5





#15

Acrylonitrile

Concen: 105.985 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.01 min

Lab File: VW005249.D

Acq: 10 Sep 2018 19:12

Instrument :

MSVOA\_W

ClientSampleId :

VW0910SBSD01

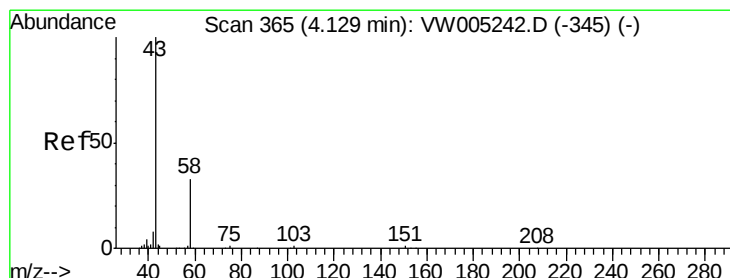
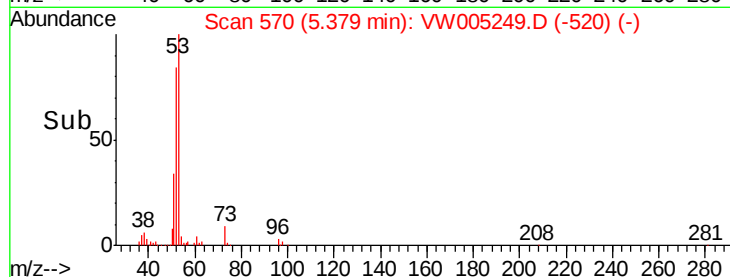
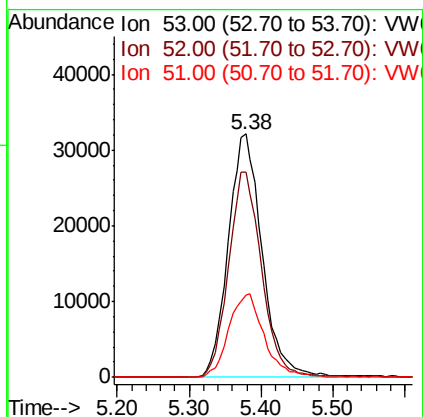
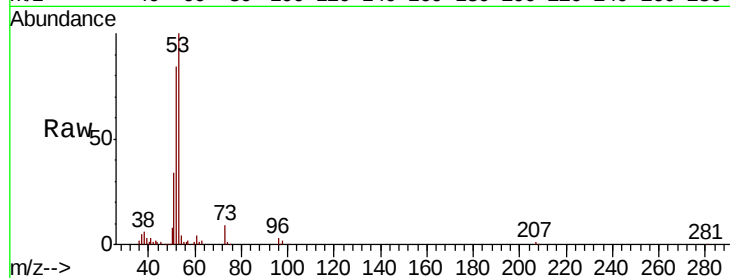
Tgt Ion: 53 Resp: 104732

Ion Ratio Lower Upper

53 100

52 82.2 66.0 99.0

51 35.7 28.6 43.0



#16

Acetone

Concen: 108.473 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

Lab File: VW005249.D

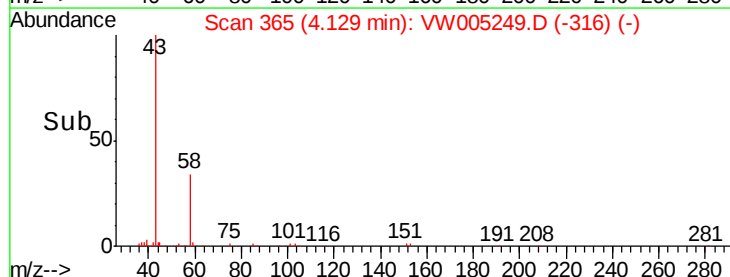
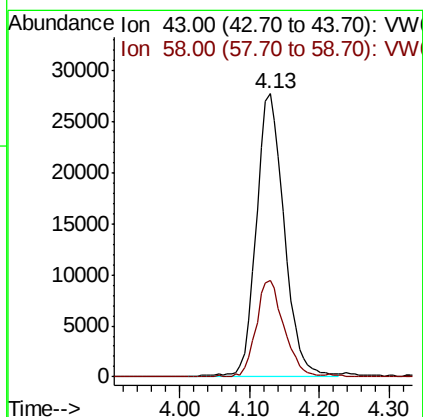
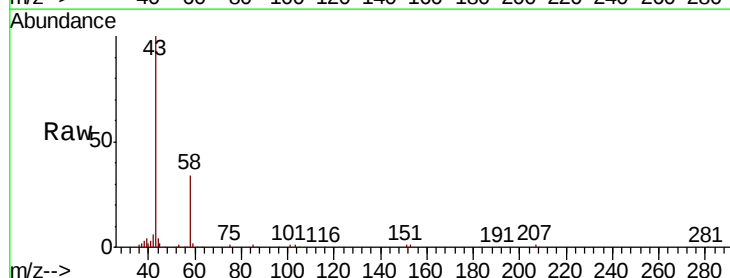
Acq: 10 Sep 2018 19:12

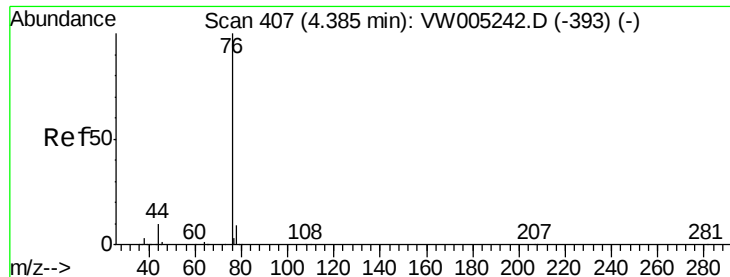
Tgt Ion: 43 Resp: 77061

Ion Ratio Lower Upper

43 100

58 33.6 26.7 40.1

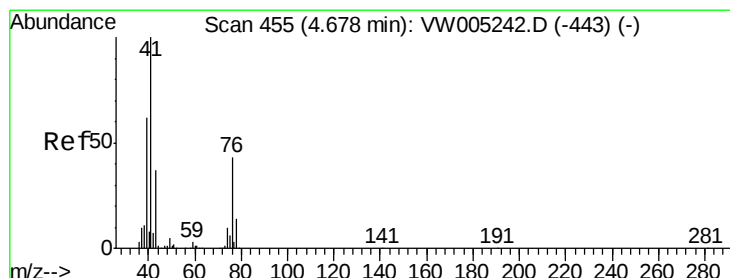
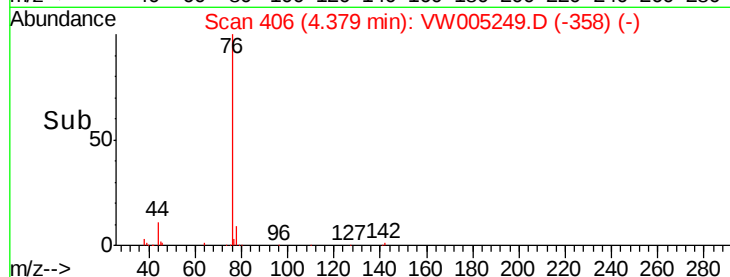
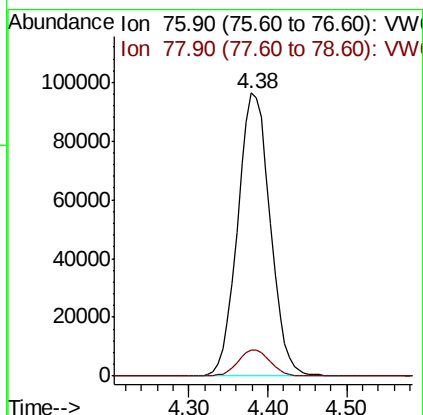
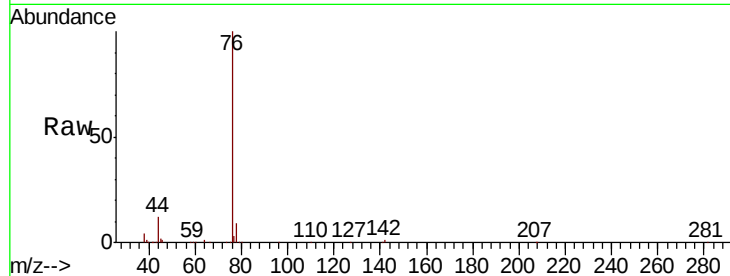




#17  
Carbon Disulfide  
Concen: 19.497 ug/l  
RT: 4.38 min Scan# 406  
Delta R.T. -0.01 min  
Lab File: VW005249.D  
Acq: 10 Sep 2018 19:12

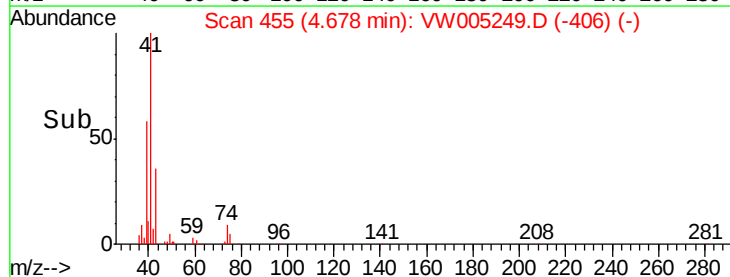
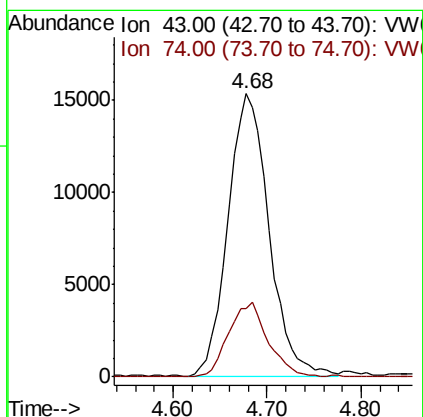
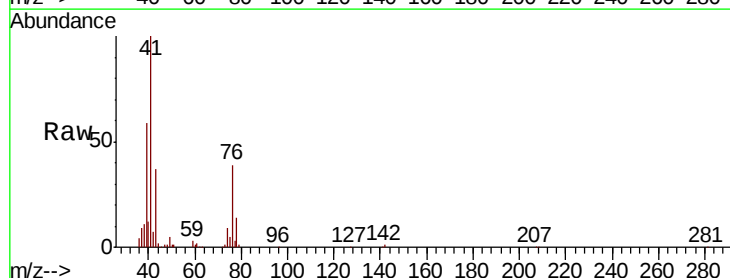
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0910SBSD01

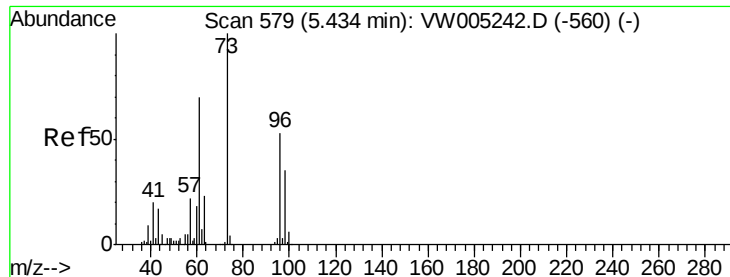
Tgt Ion: 76 Resp: 276625  
Ion Ratio Lower Upper  
76 100  
78 9.3 7.5 11.3



#18  
Methyl Acetate  
Concen: 22.136 ug/l  
RT: 4.68 min Scan# 455  
Delta R.T. -0.00 min  
Lab File: VW005249.D  
Acq: 10 Sep 2018 19:12

Tgt Ion: 43 Resp: 46943  
Ion Ratio Lower Upper  
43 100  
74 25.1 21.4 32.2

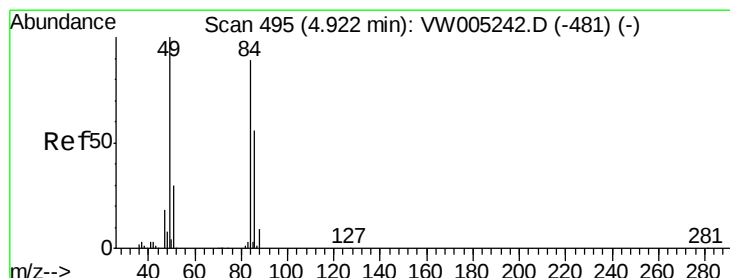
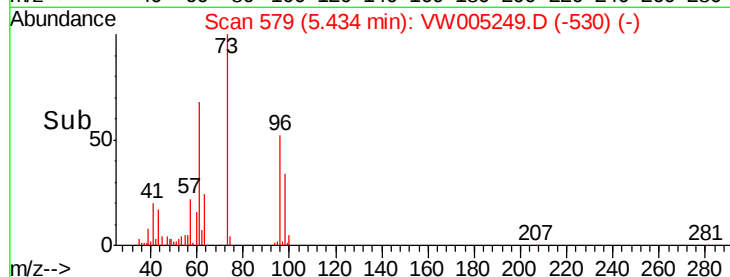
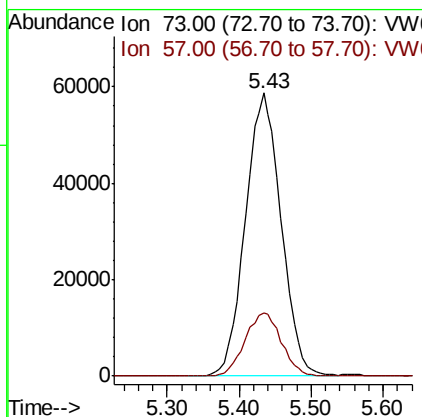
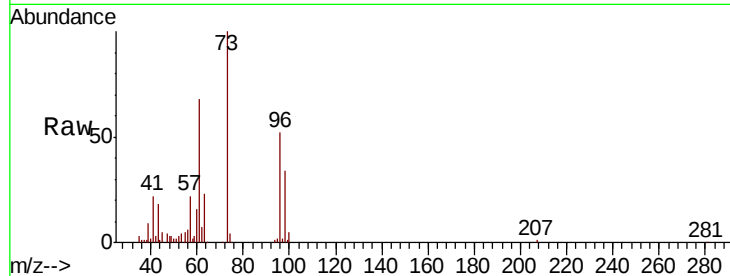




#19  
Methyl tert-butyl Ether  
Concen: 20.972 ug/l  
RT: 5.43 min Scan# 579  
Delta R.T. -0.00 min  
Lab File: VW005249.D  
Acq: 10 Sep 2018 19:12

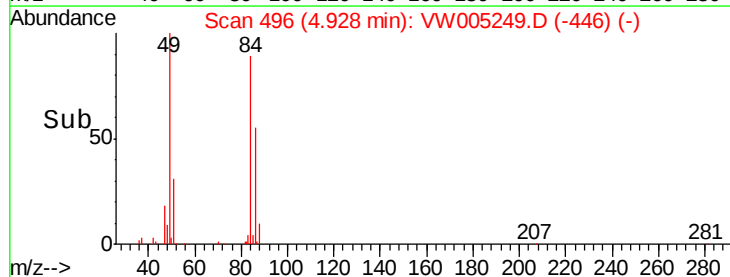
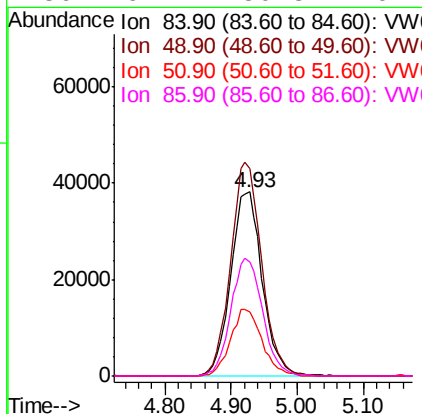
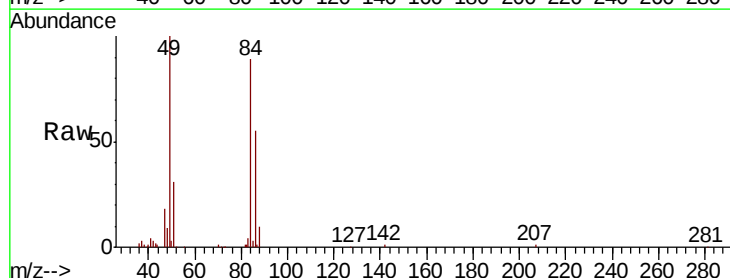
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0910SBSD01

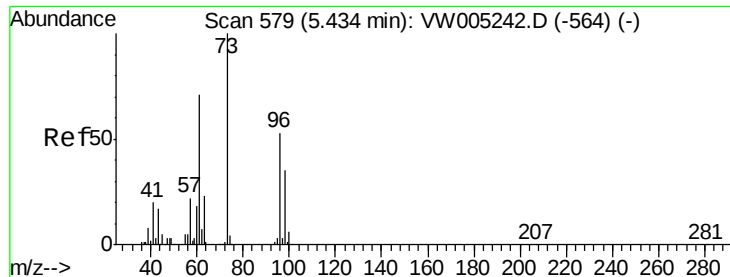
Tgt Ion: 73 Resp: 201905  
Ion Ratio Lower Upper  
73 100  
57 22.4 17.4 26.2



#20  
Methylene Chloride  
Concen: 22.097 ug/l  
RT: 4.93 min Scan# 496  
Delta R.T. 0.01 min  
Lab File: VW005249.D  
Acq: 10 Sep 2018 19:12

Tgt Ion: 84 Resp: 126367  
Ion Ratio Lower Upper  
84 100  
49 112.8 90.3 135.5  
51 34.5 26.9 40.3  
86 62.1 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 20.111 ug/l

RT: 5.43 min Scan# 579

Delta R.T. -0.00 min

Lab File: VW005249.D

Acq: 10 Sep 2018 19:12

Instrument :

MSVOA\_W

ClientSampleId :

VW0910SBSD01

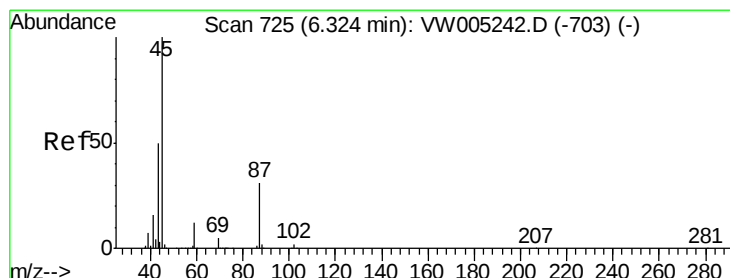
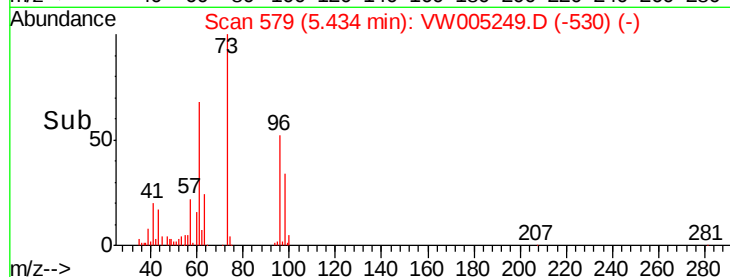
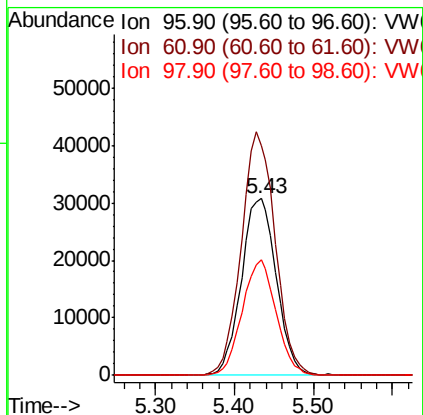
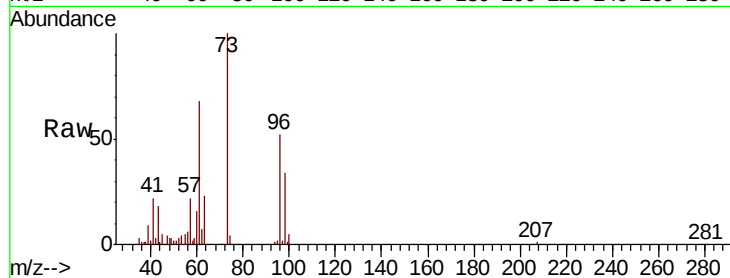
Tgt Ion: 96 Resp: 94914

Ion Ratio Lower Upper

96 100

61 129.7 105.7 158.5

98 65.4 52.8 79.2



#22

Diisopropyl ether

Concen: 21.275 ug/l

RT: 6.32 min Scan# 724

Delta R.T. -0.01 min

Lab File: VW005249.D

Acq: 10 Sep 2018 19:12

Tgt Ion: 45 Resp: 266018

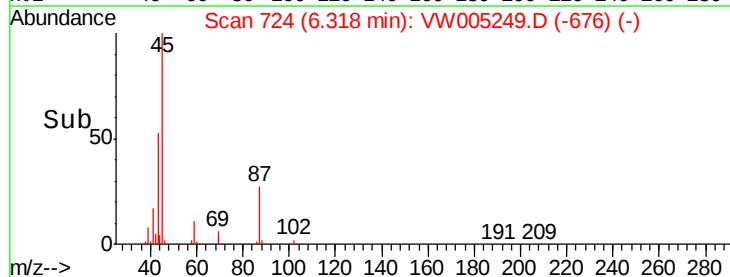
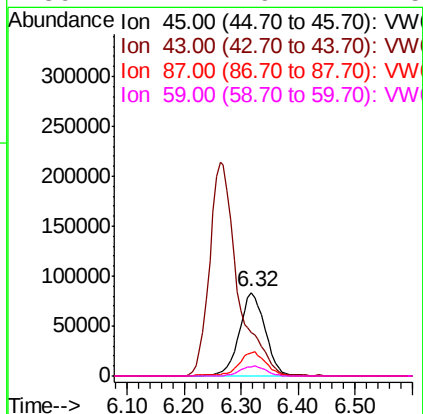
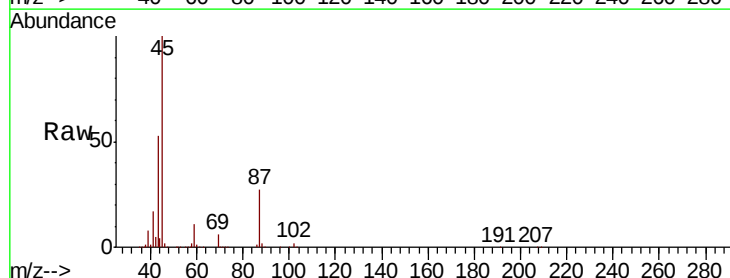
Ion Ratio Lower Upper

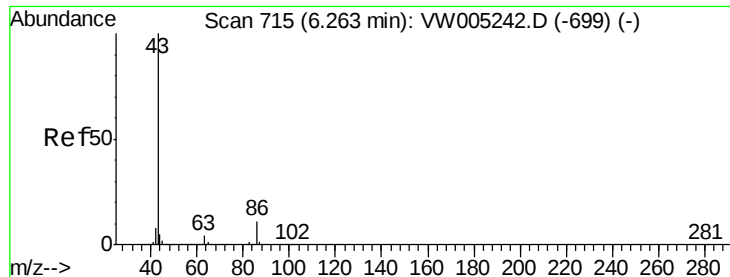
45 100

43 52.2 39.6 59.4

87 27.1 24.7 37.1

59 11.2 9.7 14.5

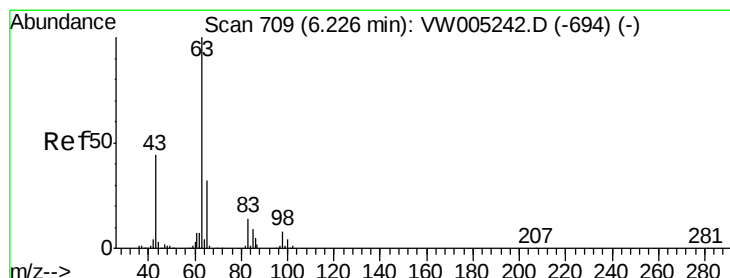
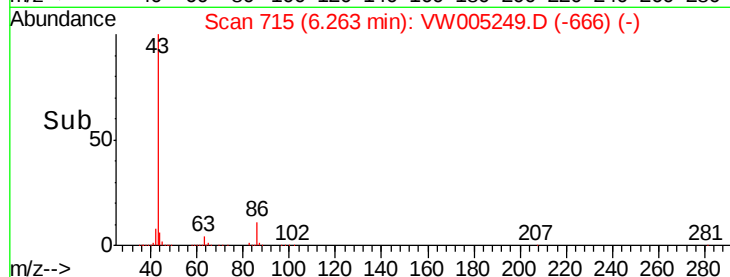
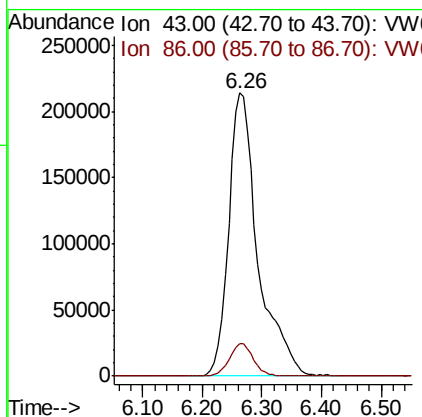
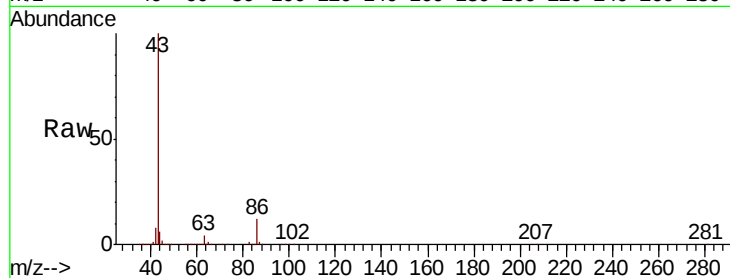




#23  
 Vinyl Acetate  
 Concen: 104.776 ug/l  
 RT: 6.26 min Scan# 715  
 Delta R.T. -0.00 min  
 Lab File: VW005249.D  
 Acq: 10 Sep 2018 19:12

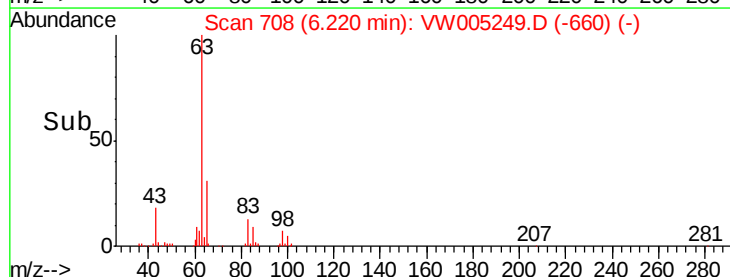
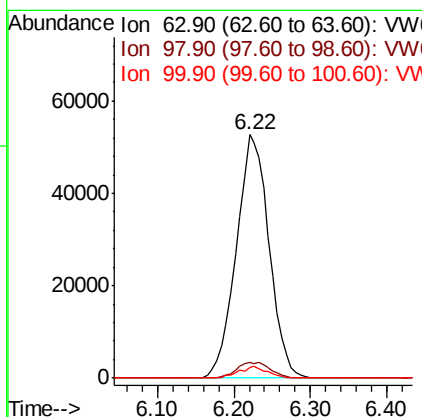
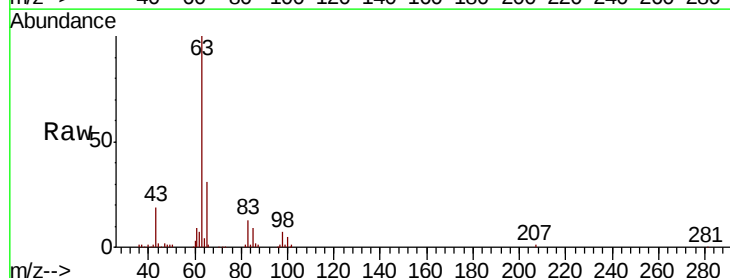
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0910SBSD01

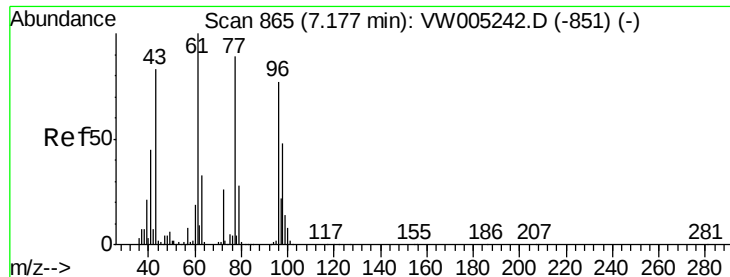
Tgt Ion: 43 Resp: 730104  
 Ion Ratio Lower Upper  
 43 100  
 86 11.5 8.9 13.3



#24  
 1,1-Dichloroethane  
 Concen: 20.315 ug/l  
 RT: 6.22 min Scan# 708  
 Delta R.T. -0.01 min  
 Lab File: VW005249.D  
 Acq: 10 Sep 2018 19:12

Tgt Ion: 63 Resp: 156359  
 Ion Ratio Lower Upper  
 63 100  
 98 6.7 3.8 11.4  
 100 4.5 2.2 6.6





#25

2-Butanone

Concen: 111.334 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW005249.D

Acq: 10 Sep 2018 19:12

Instrument :

MSVOA\_W

ClientSampleId :

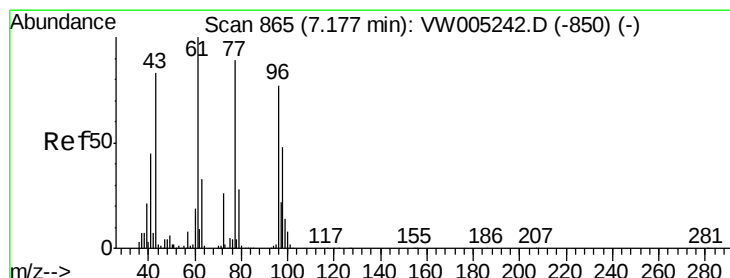
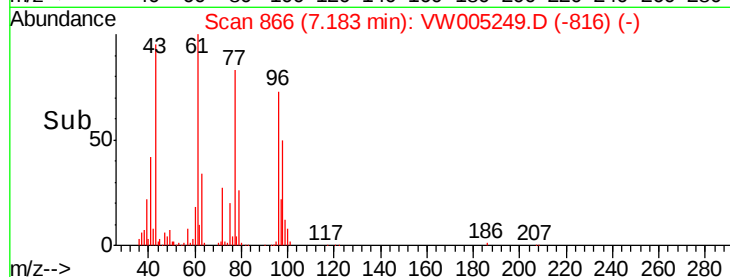
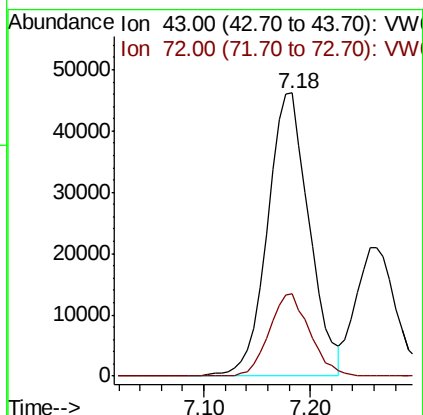
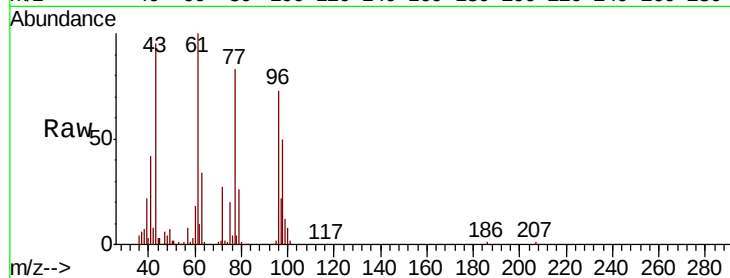
VW0910SBSD01

Tgt Ion: 43 Resp: 124759

Ion Ratio Lower Upper

43 100

72 29.0 25.0 37.6



#26

2,2-Dichloropropane

Concen: 20.051 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW005249.D

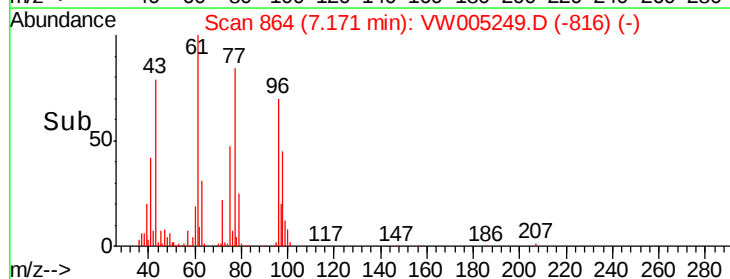
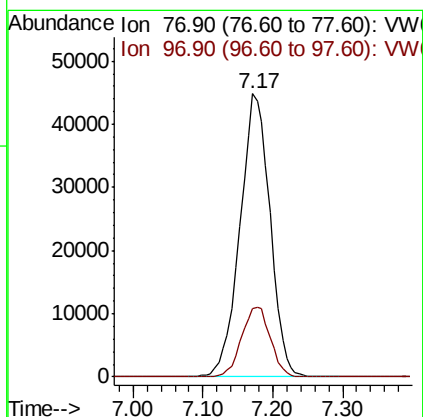
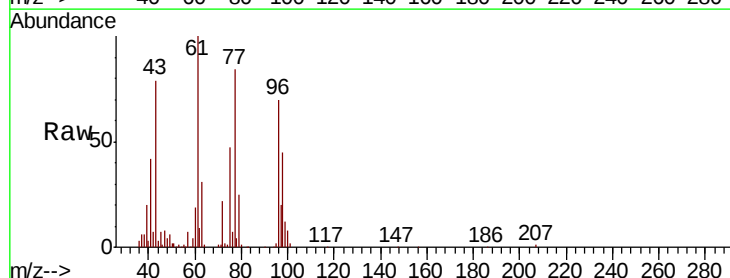
Acq: 10 Sep 2018 19:12

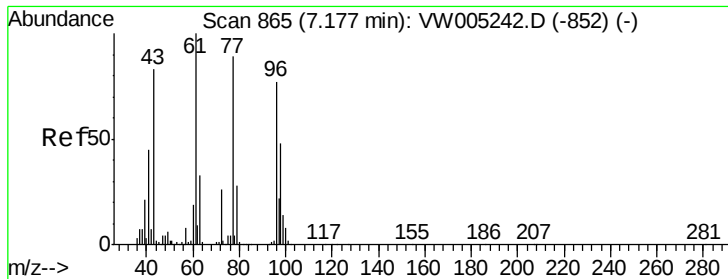
Tgt Ion: 77 Resp: 133808

Ion Ratio Lower Upper

77 100

97 23.6 12.2 36.6



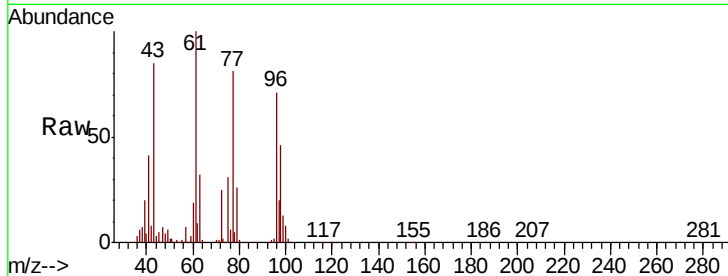


#27

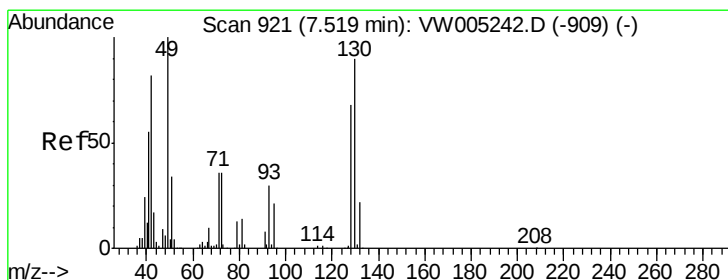
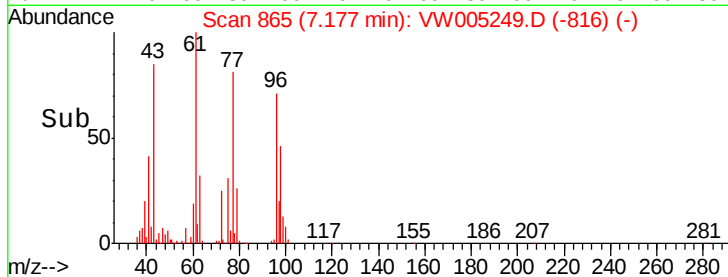
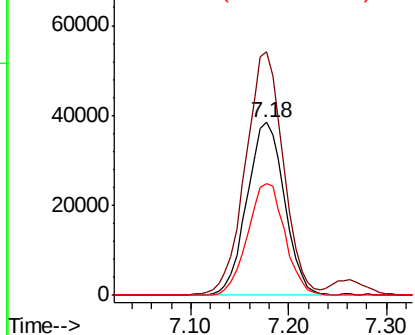
cis-1,2-Dichloroethene  
 Concen: 20.360 ug/l  
 RT: 7.18 min Scan# 865  
 Delta R.T. -0.00 min  
 Lab File: VW005249.D  
 Acq: 10 Sep 2018 19:12

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0910SBSD01

Tgt Ion: 96 Resp: 102838  
 Ion Ratio Lower Upper  
 96 100  
 61 142.4 0.0 273.4  
 98 64.3 0.0 127.8



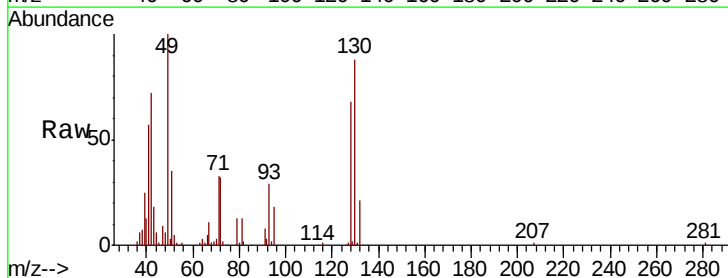
Abundance Ion 95.90 (95.60 to 96.60): VW  
 Ion 60.90 (60.60 to 61.60): VW  
 Ion 97.90 (97.60 to 98.60): VW



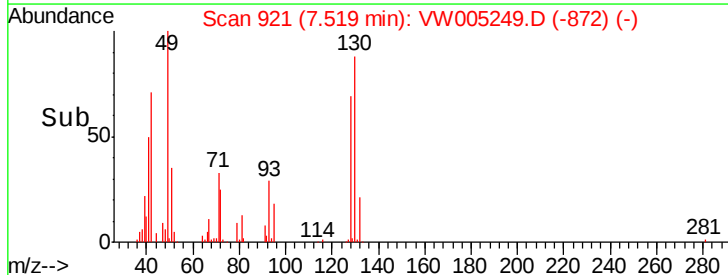
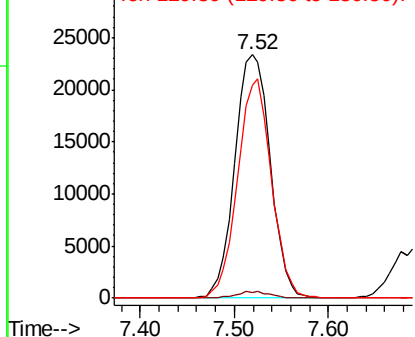
#28

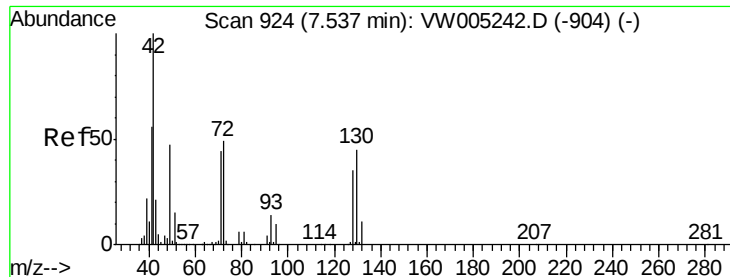
Bromochloromethane  
 Concen: 21.705 ug/l  
 RT: 7.52 min Scan# 921  
 Delta R.T. -0.00 min  
 Lab File: VW005249.D  
 Acq: 10 Sep 2018 19:12

Tgt Ion: 49 Resp: 61630  
 Ion Ratio Lower Upper  
 49 100  
 129 2.4 0.0 2.0#  
 130 85.5 71.2 106.8



Abundance Ion 48.90 (48.60 to 49.60): VW  
 Ion 128.80 (128.50 to 129.50): V  
 Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 106.334 ug/l

RT: 7.54 min Scan# 924

Delta R.T. -0.00 min

Lab File: VW005249.D

Acq: 10 Sep 2018 19:12

Instrument :

MSVOA\_W

ClientSampleId :

VW0910SBSD01

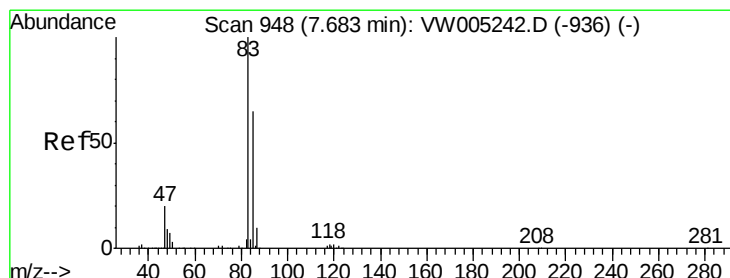
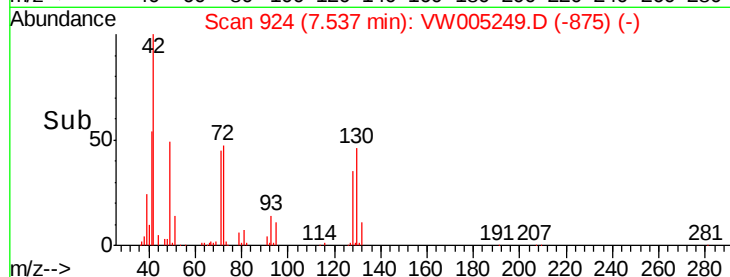
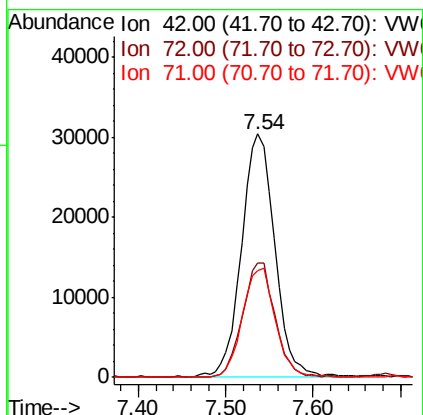
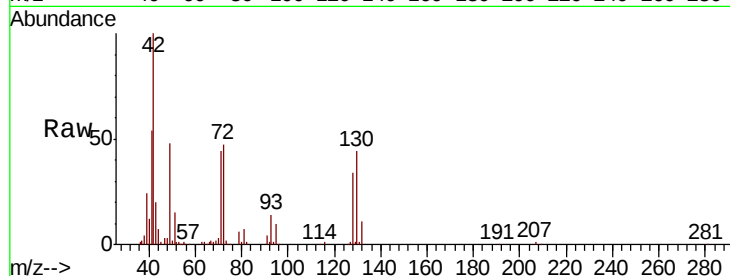
Tgt Ion: 42 Resp: 80299

Ion Ratio Lower Upper

42 100

72 45.9 37.5 56.3

71 44.5 34.8 52.2



#30

Chloroform

Concen: 20.438 ug/l

RT: 7.68 min Scan# 948

Delta R.T. -0.00 min

Lab File: VW005249.D

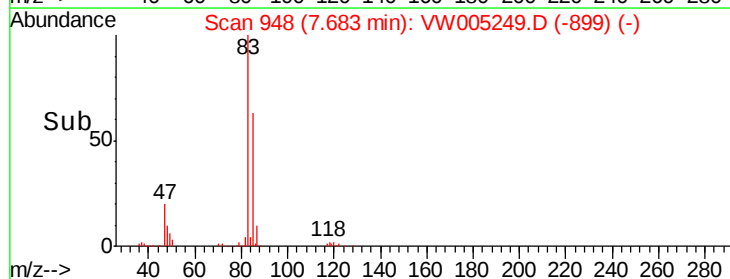
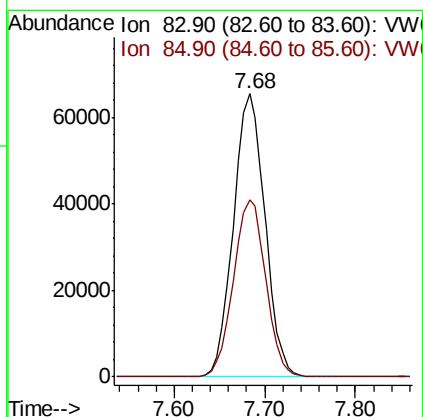
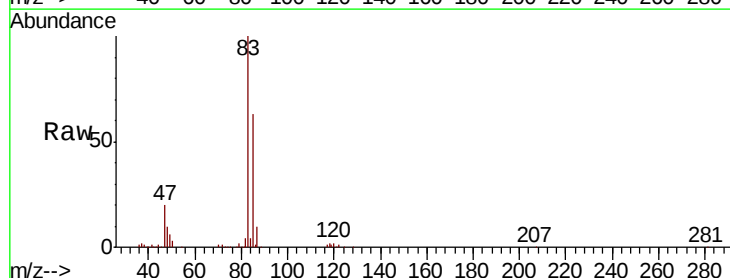
Acq: 10 Sep 2018 19:12

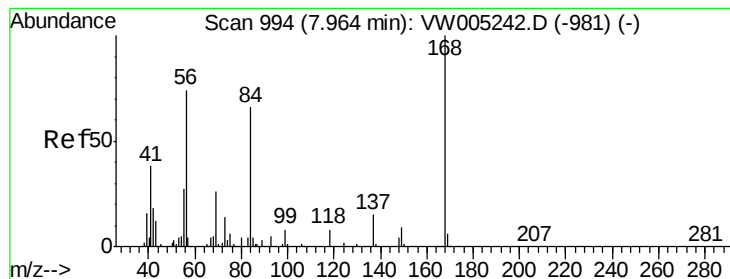
Tgt Ion: 83 Resp: 157865

Ion Ratio Lower Upper

83 100

85 62.7 51.7 77.5





#31

Cyclohexane

Concen: 20.515 ug/l

RT: 7.96 min Scan# 994

Delta R.T. -0.00 min

Lab File: VW005249.D

Acq: 10 Sep 2018 19:12

Instrument :

MSVOA\_W

ClientSampleId :

VW0910SBSD01

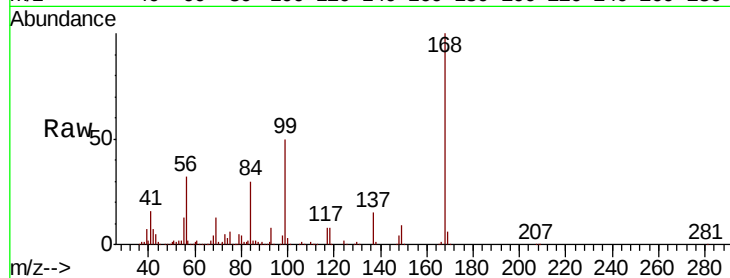
Tgt Ion: 56 Resp: 168018

Ion Ratio Lower Upper

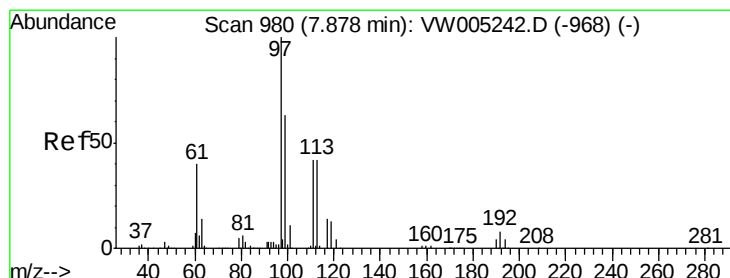
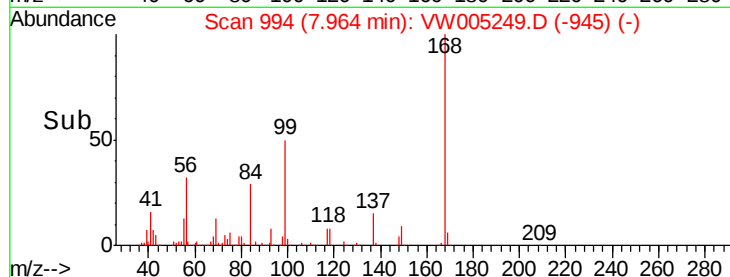
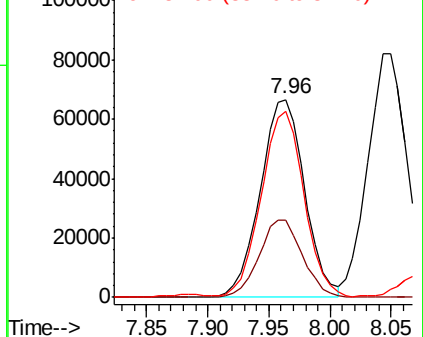
56 100

69 39.1 27.8 41.8

84 92.8 72.1 108.1



Abundance Ion 56.00 (55.70 to 56.70): VW  
Ion 69.00 (68.70 to 69.70): VW  
Ion 84.00 (83.70 to 84.70): VW



#32

1,1,1-Trichloroethane

Concen: 19.738 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW005249.D

Acq: 10 Sep 2018 19:12

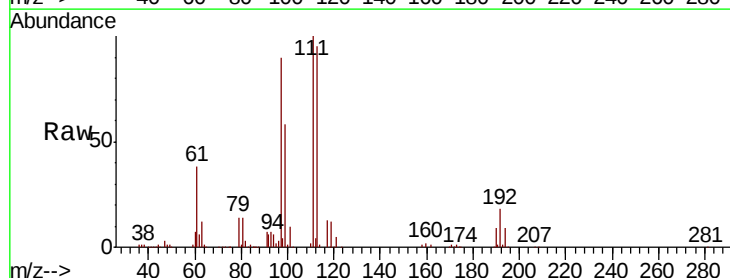
Tgt Ion: 97 Resp: 137733

Ion Ratio Lower Upper

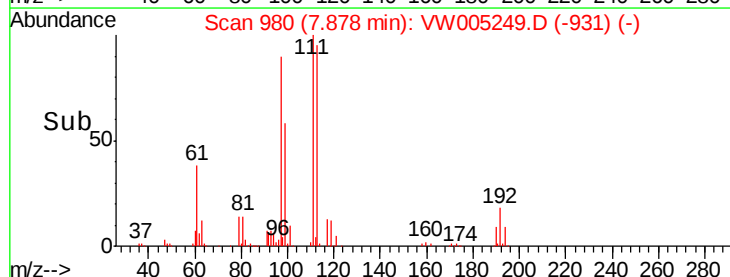
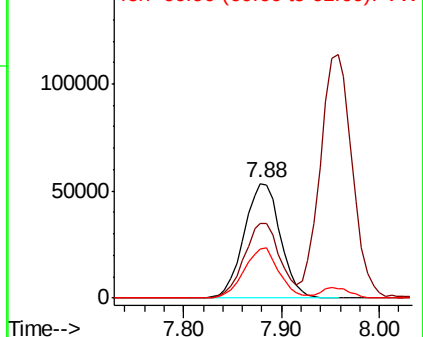
97 100

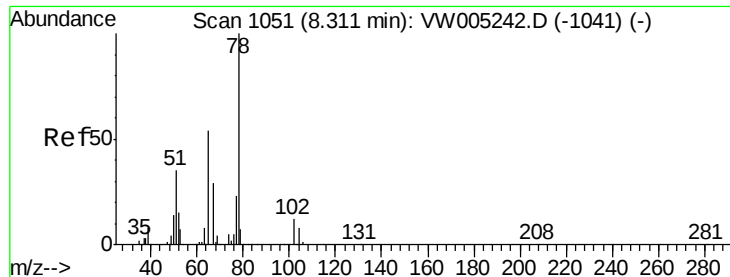
99 64.6 51.5 77.3

61 42.1 32.5 48.7



Abundance Ion 96.90 (96.60 to 97.60): VW  
Ion 98.90 (98.60 to 99.60): VW  
Ion 60.90 (60.60 to 61.60): VW

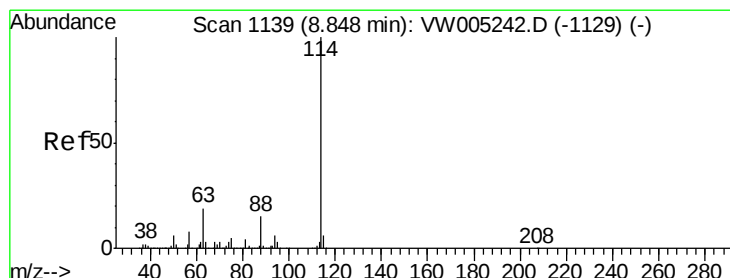
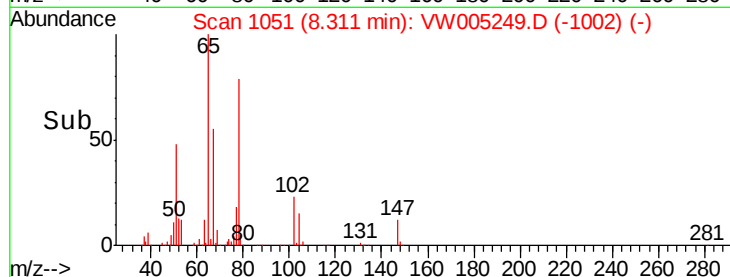
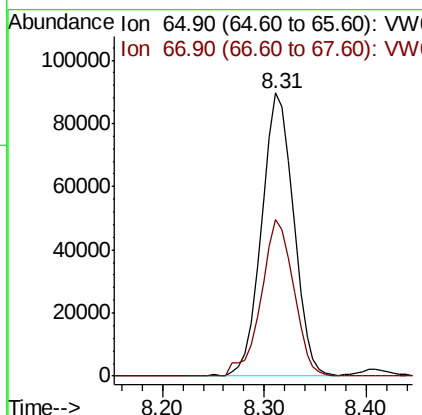
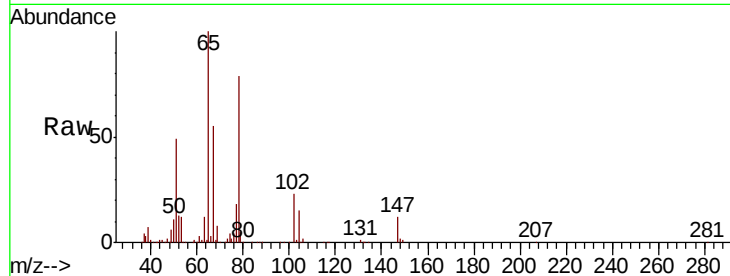




#33  
 1,2-Dichloroethane-d4  
 Concen: 51.057 ug/l  
 RT: 8.31 min Scan# 1051  
 Delta R.T. -0.00 min  
 Lab File: VW005249.D  
 Acq: 10 Sep 2018 19:12

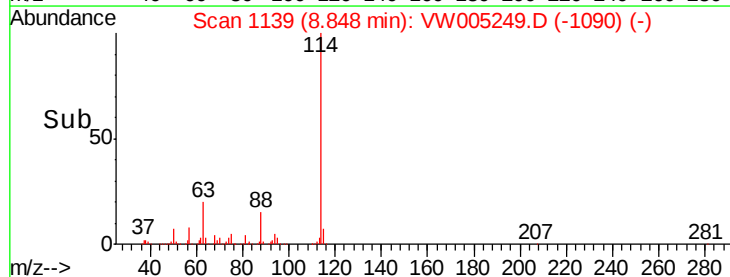
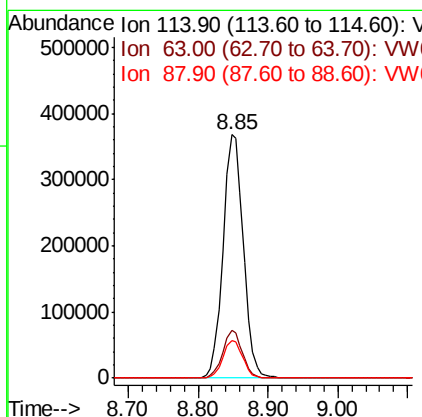
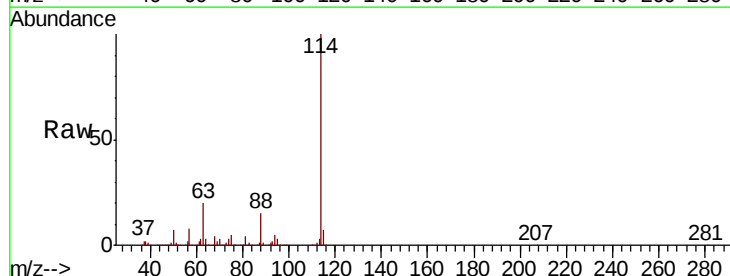
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0910SBSD01

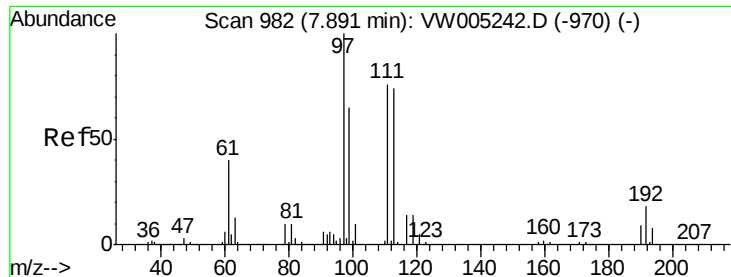
Tgt Ion: 65 Resp: 195414  
 Ion Ratio Lower Upper  
 65 100  
 67 56.4 0.0 112.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.85 min Scan# 1139  
 Delta R.T. -0.00 min  
 Lab File: VW005249.D  
 Acq: 10 Sep 2018 19:12

Tgt Ion: 114 Resp: 739825  
 Ion Ratio Lower Upper  
 114 100  
 63 19.8 0.0 37.0  
 88 15.2 0.0 30.4

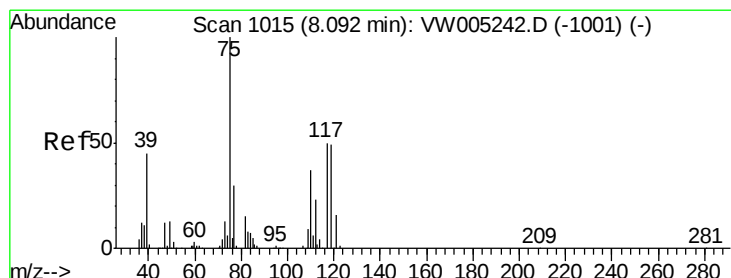
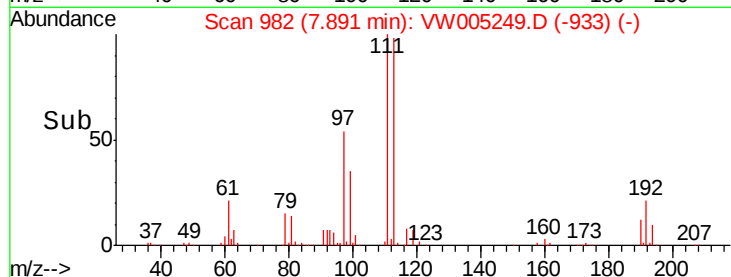
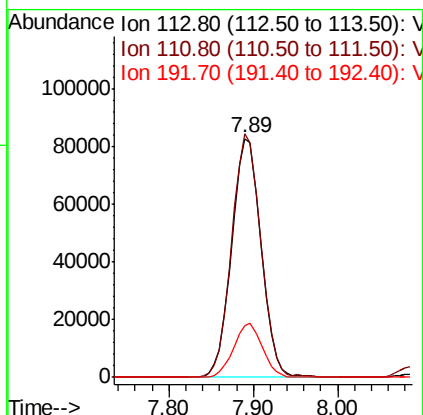
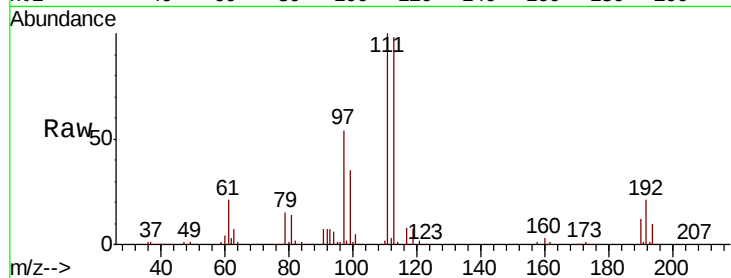




#35  
 Dibromofluoromethane  
 Concen: 50.285 ug/l  
 RT: 7.89 min Scan# 982  
 Delta R.T. -0.00 min  
 Lab File: VW005249.D  
 Acq: 10 Sep 2018 19:12

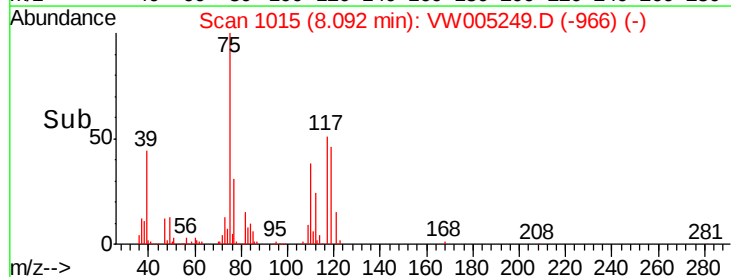
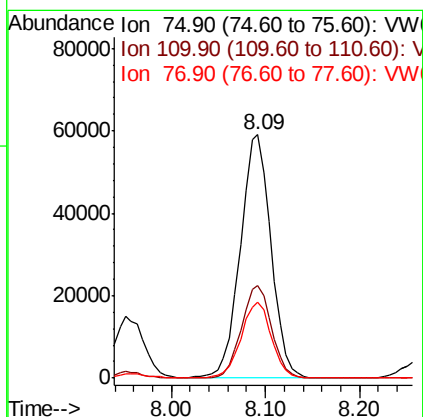
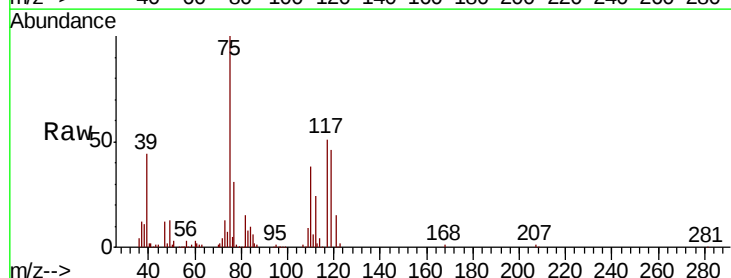
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0910SBSD01

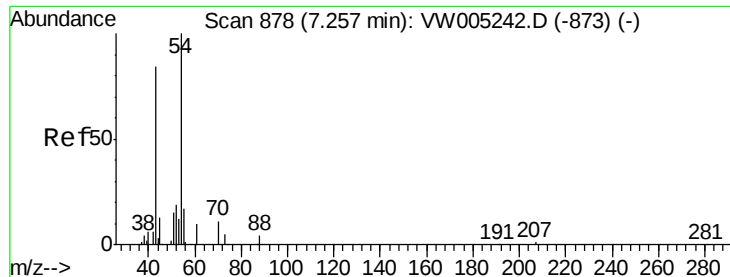
Tgt Ion:113 Resp: 194876  
 Ion Ratio Lower Upper  
 113 100  
 111 101.4 80.6 121.0  
 192 22.0 18.3 27.5



#36  
 1,1-Dichloropropene  
 Concen: 19.784 ug/l  
 RT: 8.09 min Scan# 1015  
 Delta R.T. -0.00 min  
 Lab File: VW005249.D  
 Acq: 10 Sep 2018 19:12

Tgt Ion: 75 Resp: 134095  
 Ion Ratio Lower Upper  
 75 100  
 110 37.5 18.8 56.4  
 77 31.2 24.9 37.3

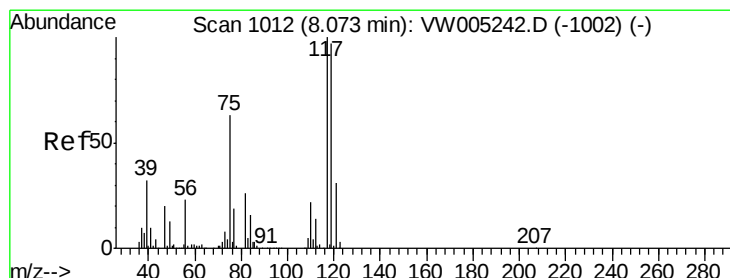
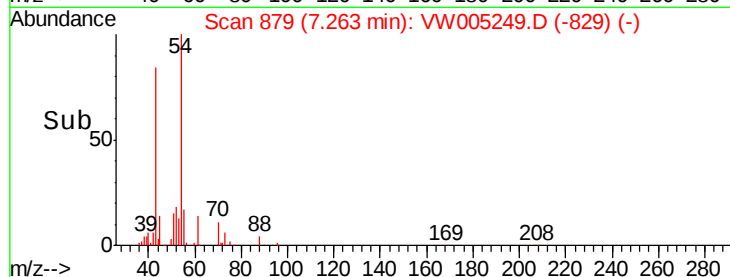
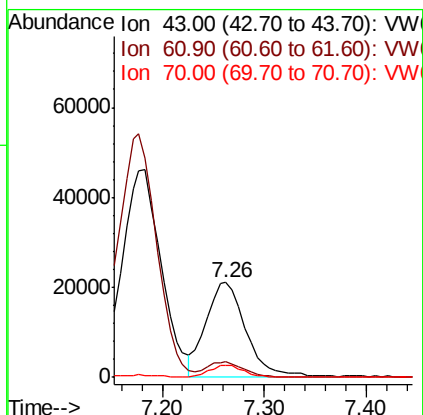
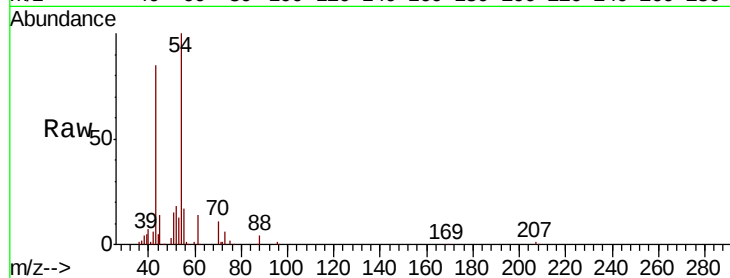




#37  
Ethyl Acetate  
Concen: 22.002 ug/l  
RT: 7.26 min Scan# 879  
Delta R.T. 0.01 min  
Lab File: VW005249.D  
Acq: 10 Sep 2018 19:12

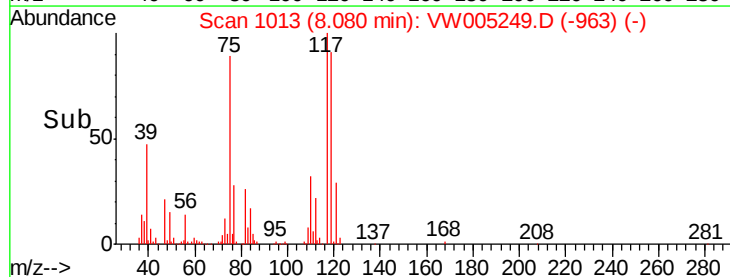
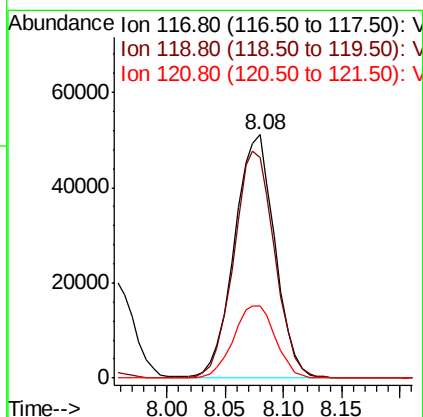
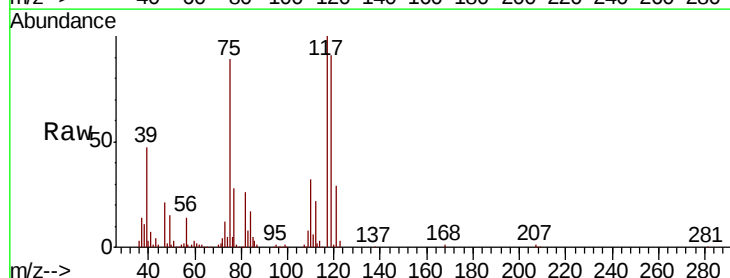
Instrument :  
MSVOA\_W  
ClientSampled :  
VW0910SBS01

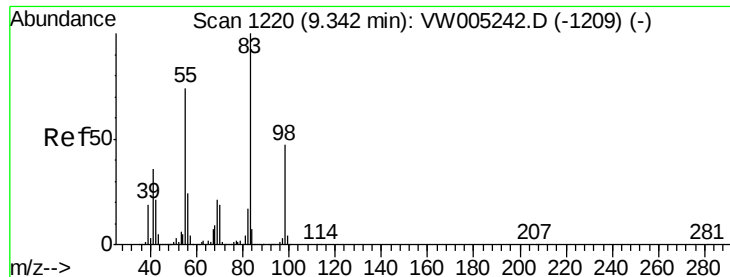
Tgt Ion: 43 Resp: 56723  
Ion Ratio Lower Upper  
43 100  
61 15.4 12.3 18.5  
70 11.8 9.5 14.3



#38  
Carbon Tetrachloride  
Concen: 19.342 ug/l  
RT: 8.08 min Scan# 1013  
Delta R.T. 0.01 min  
Lab File: VW005249.D  
Acq: 10 Sep 2018 19:12

Tgt Ion: 117 Resp: 122807  
Ion Ratio Lower Upper  
117 100  
119 90.7 77.5 116.3  
121 29.5 24.7 37.1

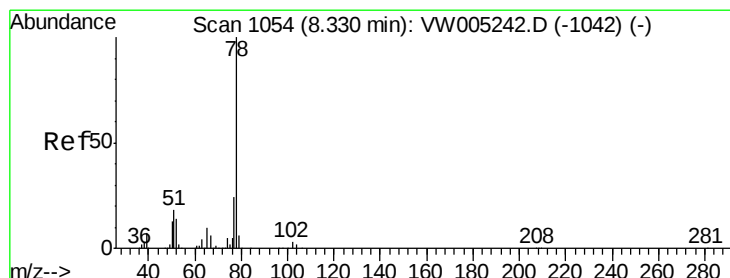
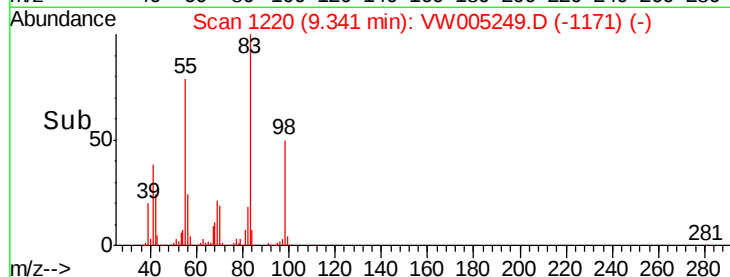
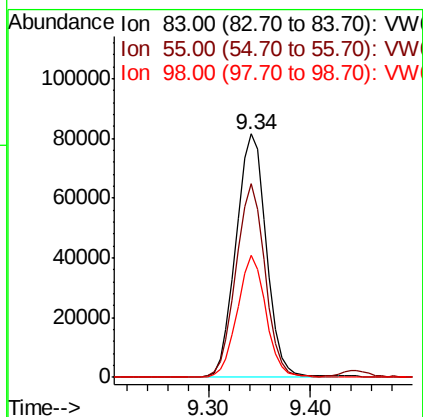
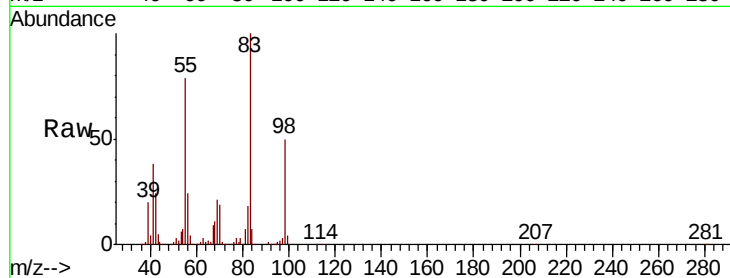




#39  
Methylcyclohexane  
Concen: 18.697 ug/l  
RT: 9.34 min Scan# 1220  
Delta R.T. -0.00 min  
Lab File: VW005249.D  
Acq: 10 Sep 2018 19:12

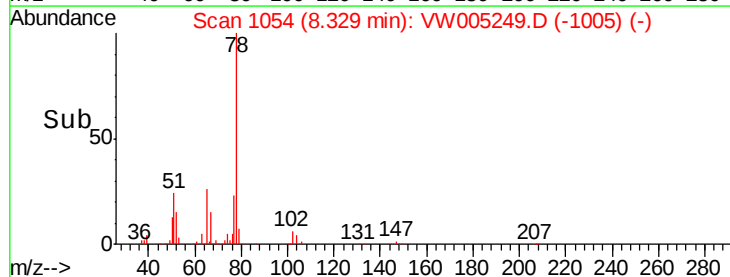
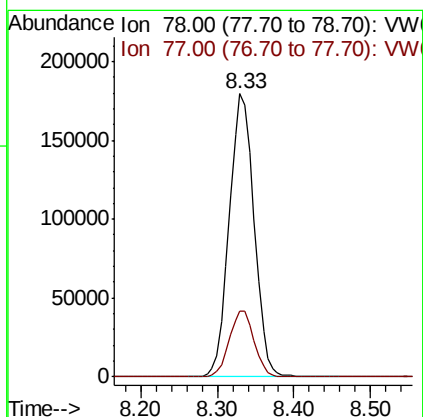
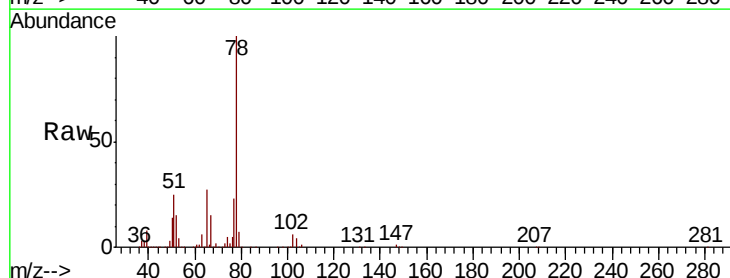
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0910SBSD01

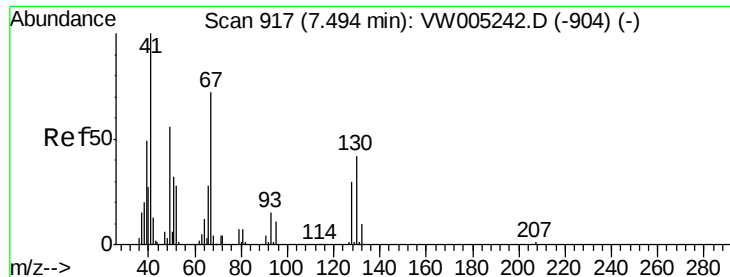
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 83    | Resp: | 168264 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 55       | 79.4  | 58.9  | 88.3   |
| 98       | 49.9  | 37.6  | 56.4   |



#40  
Benzene  
Concen: 20.217 ug/l  
RT: 8.33 min Scan# 1054  
Delta R.T. -0.00 min  
Lab File: VW005249.D  
Acq: 10 Sep 2018 19:12

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 78    | Resp: | 403703 |
| Ion      | Ratio | Lower | Upper  |
| 78       | 100   |       |        |
| 77       | 23.4  | 18.9  | 28.3   |

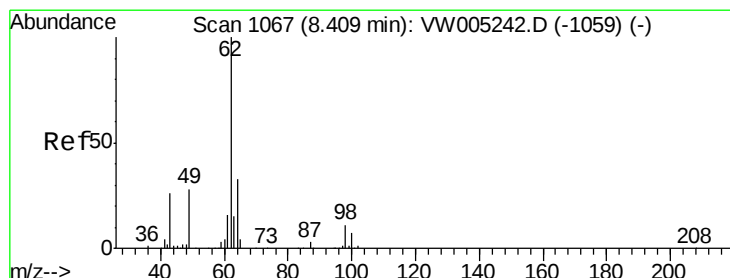
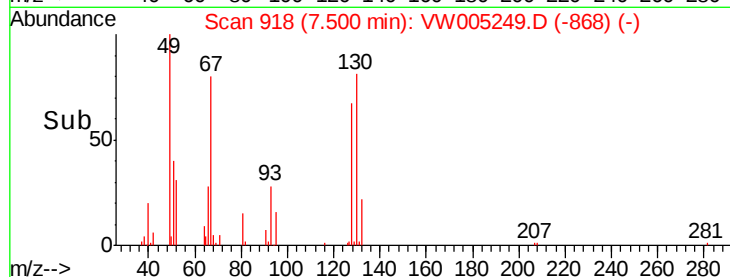
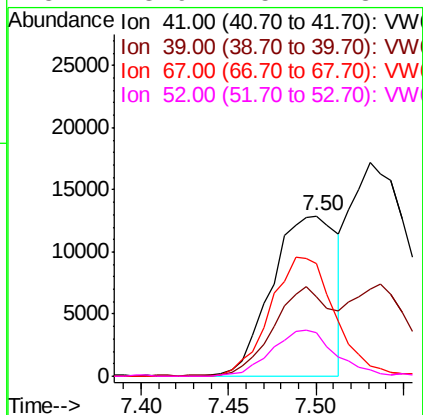
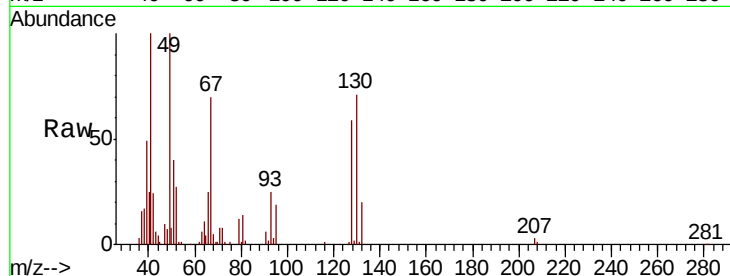




#41  
Methacrylonitrile  
Concen: 25.278 ug/l  
RT: 7.50 min Scan# 918  
Delta R.T. 0.01 min  
Lab File: VW005249.D  
Acq: 10 Sep 2018 19:12

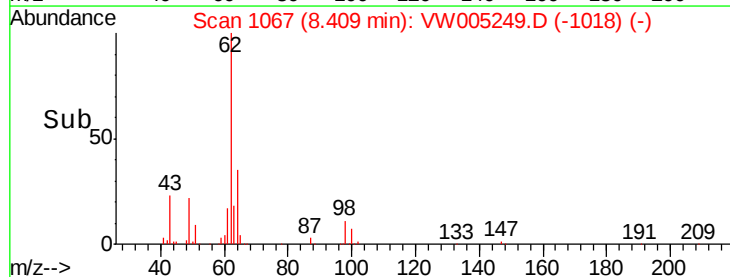
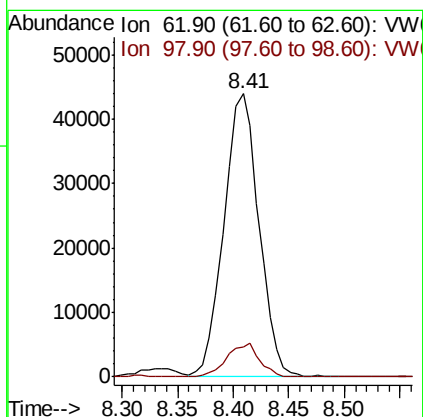
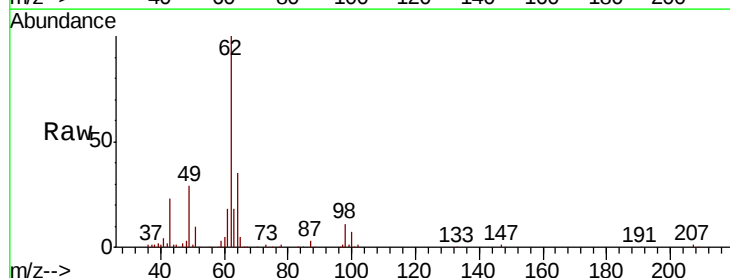
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0910SBSD01

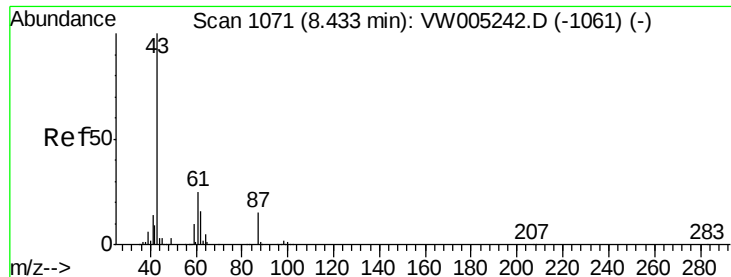
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 33435 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 50.8  | 39.9  | 59.9  |
| 67       | 74.2  | 65.7  | 98.5  |
| 52       | 28.9  | 25.1  | 37.7  |



#42  
1,2-Dichloroethane  
Concen: 20.080 ug/l  
RT: 8.41 min Scan# 1067  
Delta R.T. -0.00 min  
Lab File: VW005249.D  
Acq: 10 Sep 2018 19:12

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 95928 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 11.1  | 0.0   | 22.0  |





#43

Isopropyl Acetate

Concen: 21.096 ug/l

RT: 8.43 min Scan# 1071

Delta R.T. -0.00 min

Lab File: VW005249.D

Acq: 10 Sep 2018 19:12

Instrument :

MSVOA\_W

ClientSampleId :

VW0910SBSD01

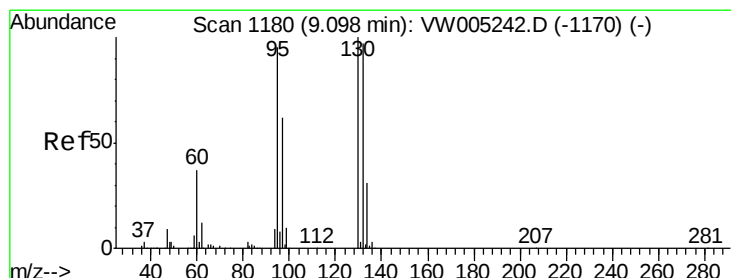
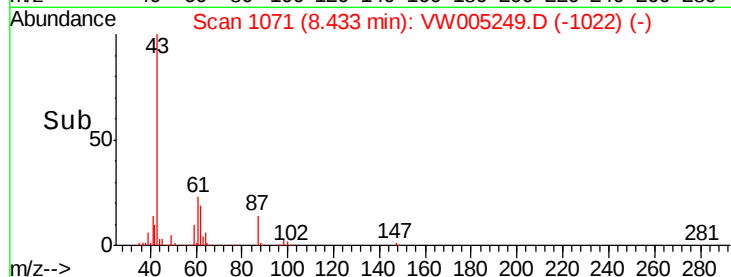
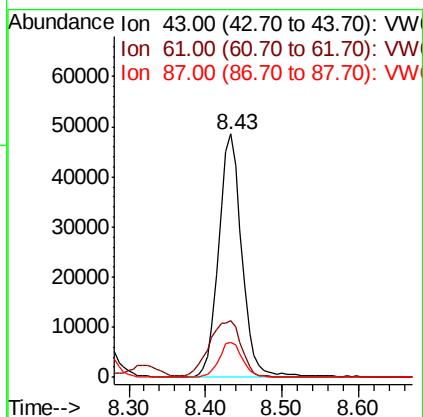
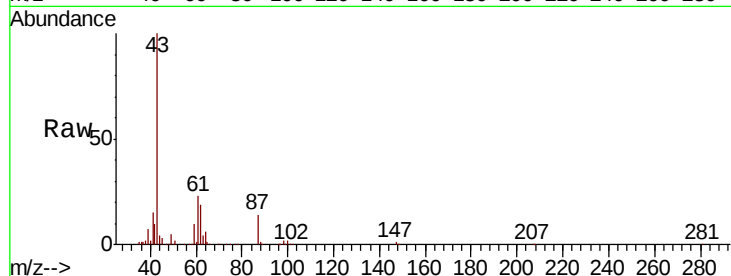
Tgt Ion: 43 Resp: 101000

Ion Ratio Lower Upper

43 100

61 33.1 25.4 38.0

87 14.7 11.9 17.9



#44

Trichloroethene

Concen: 19.574 ug/l

RT: 9.10 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VW005249.D

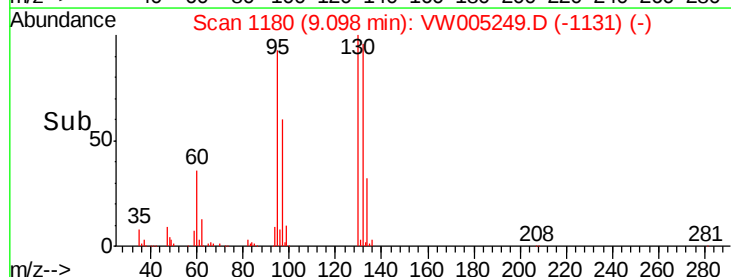
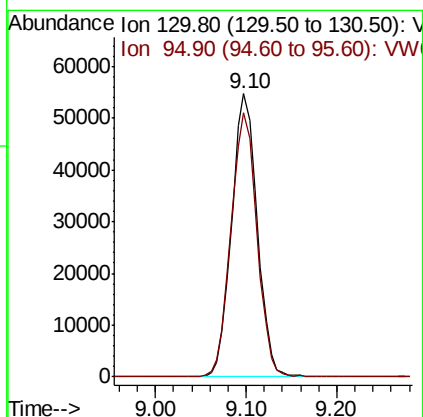
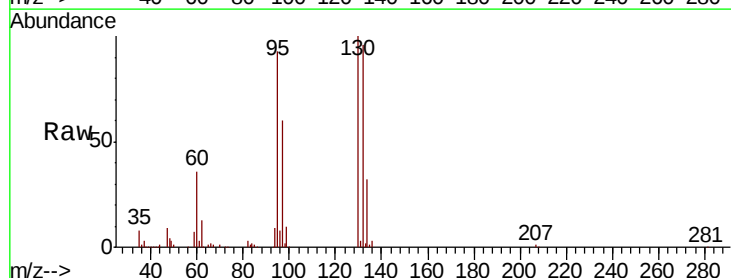
Acq: 10 Sep 2018 19:12

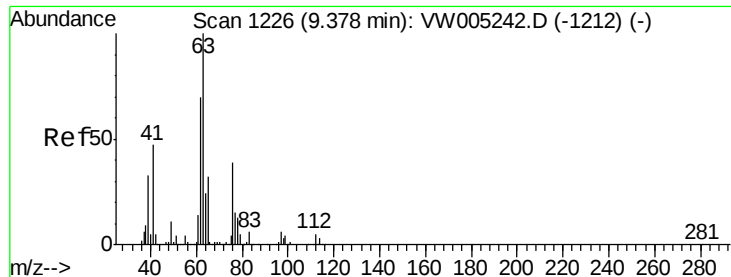
Tgt Ion: 130 Resp: 107228

Ion Ratio Lower Upper

130 100

95 93.2 0.0 189.6

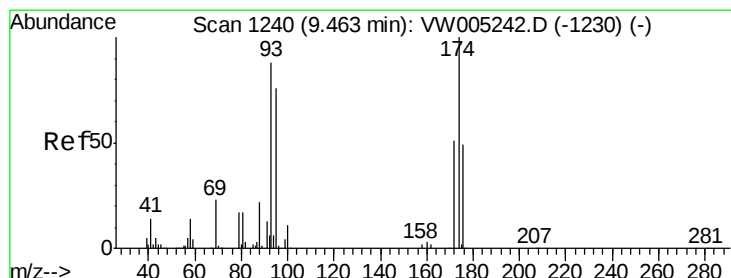
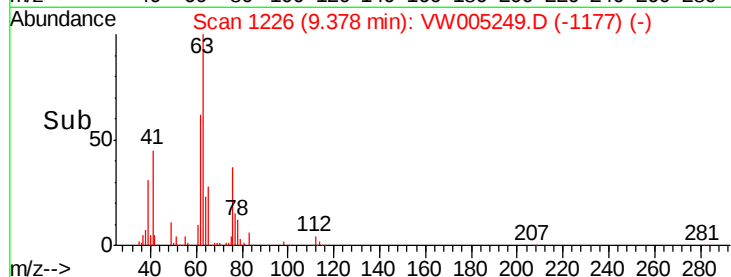
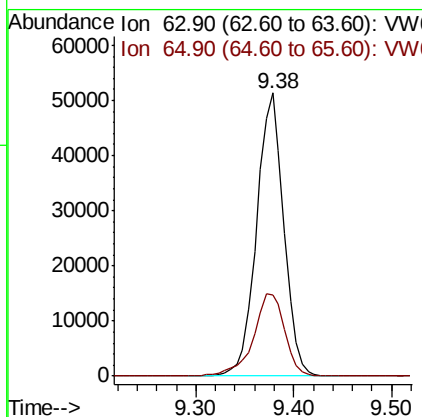
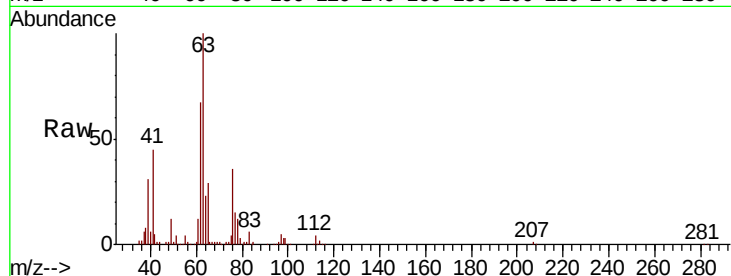




#45  
 1,2-Dichloropropane  
 Concen: 20.608 ug/l  
 RT: 9.38 min Scan# 1226  
 Delta R.T. -0.00 min  
 Lab File: VW005249.D  
 Acq: 10 Sep 2018 19:12

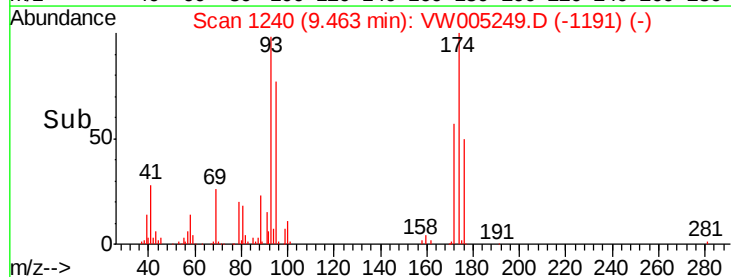
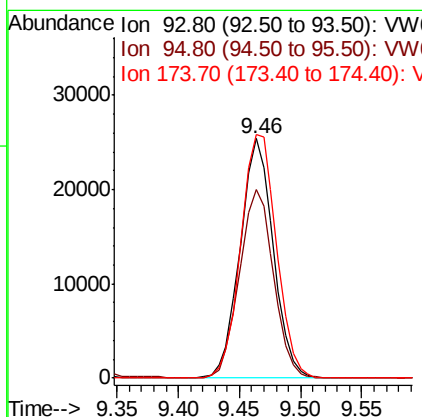
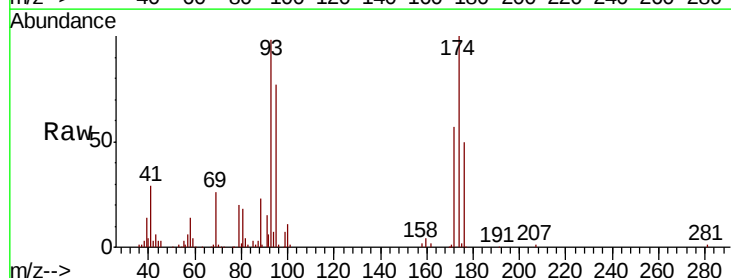
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0910SBSD01

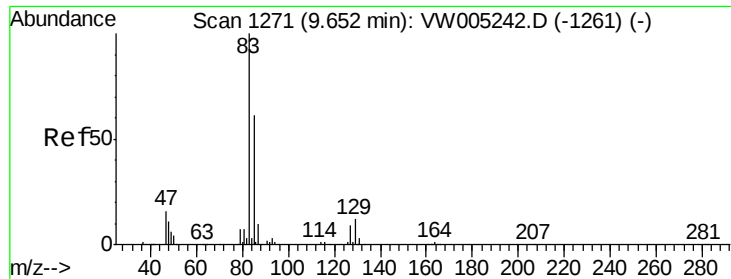
Tgt Ion: 63 Resp: 98912  
 Ion Ratio Lower Upper  
 63 100  
 65 28.8 25.4 38.2



#46  
 Dibromomethane  
 Concen: 20.356 ug/l  
 RT: 9.46 min Scan# 1240  
 Delta R.T. -0.00 min  
 Lab File: VW005249.D  
 Acq: 10 Sep 2018 19:12

Tgt Ion: 93 Resp: 47826  
 Ion Ratio Lower Upper  
 93 100  
 95 81.0 67.0 100.4  
 174 109.3 92.2 138.2





#47

Bromodichloromethane

Concen: 20.097 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VW005249.D

Acq: 10 Sep 2018 19:12

Instrument :

MSVOA\_W

ClientSampleId :

VW0910SBSD01

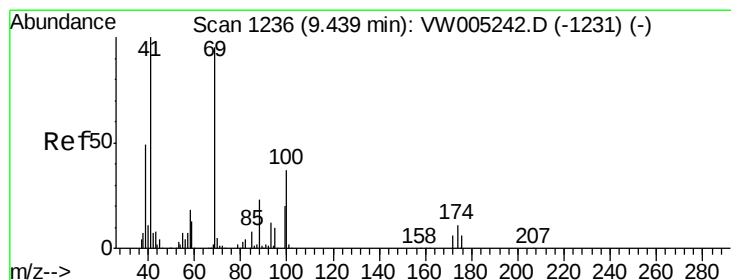
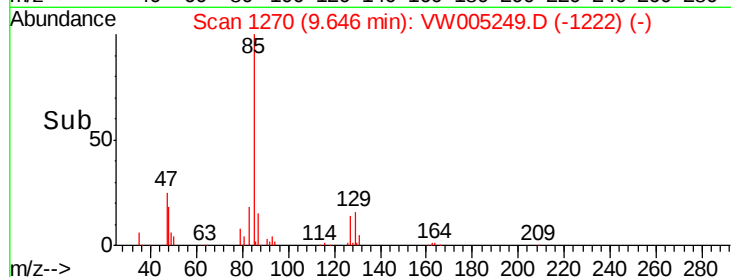
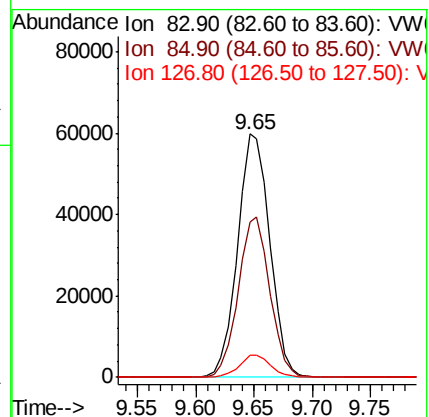
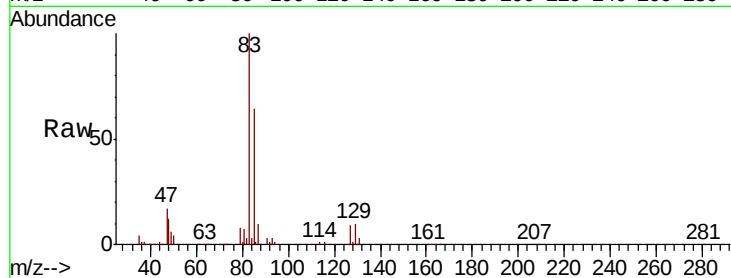
Tgt Ion: 83 Resp: 115504

Ion Ratio Lower Upper

83 100

85 63.7 49.0 73.6

127 8.9 7.0 10.4



#48

Methyl methacrylate

Concen: 19.252 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. 0.01 min

Lab File: VW005249.D

Acq: 10 Sep 2018 19:12

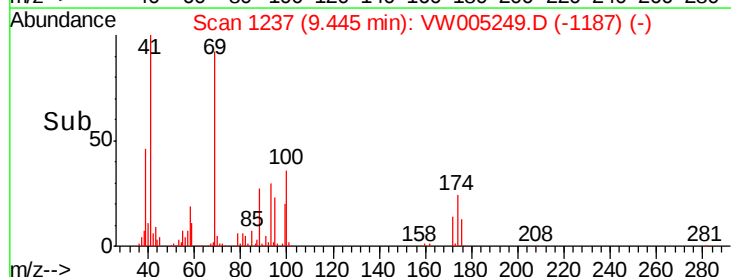
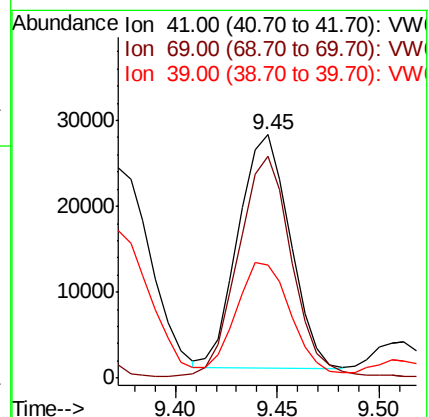
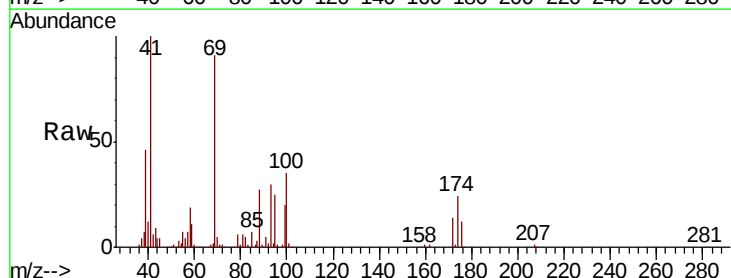
Tgt Ion: 41 Resp: 47857

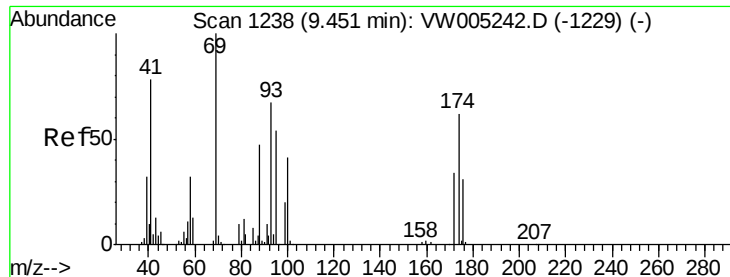
Ion Ratio Lower Upper

41 100

69 100.7 74.6 112.0

39 48.6 36.7 55.1





#49

1,4-Dioxane

Concen: 405.360 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. -0.00 min

Lab File: VW005249.D

Acq: 10 Sep 2018 19:12

Instrument :

MSVOA\_W

ClientSampleId :

VW0910SBSD01

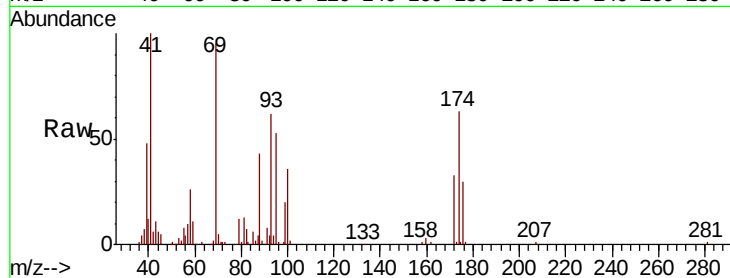
Tgt Ion: 88 Resp: 17781

Ion Ratio Lower Upper

88 100

43 30.5 22.7 34.1

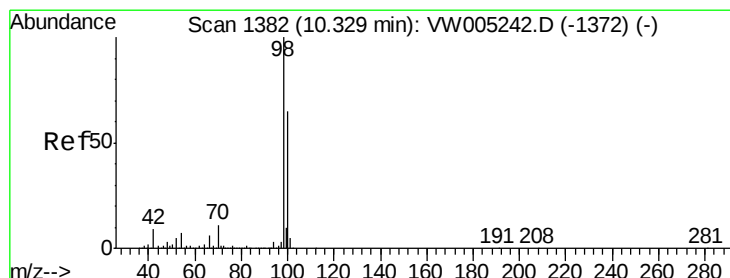
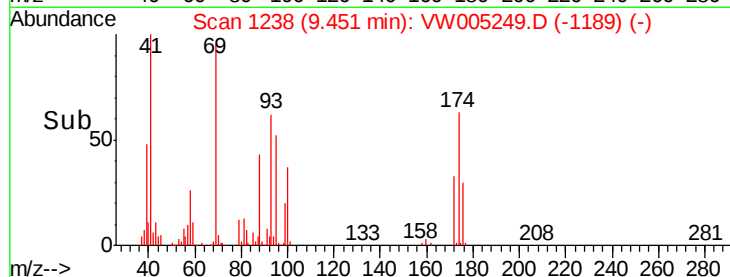
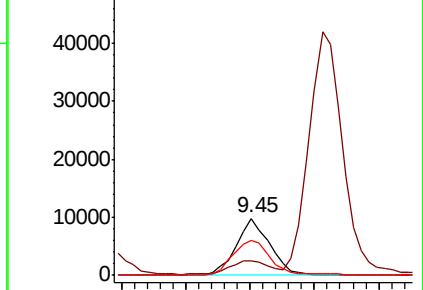
58 68.2 56.6 85.0



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 49.940 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005249.D

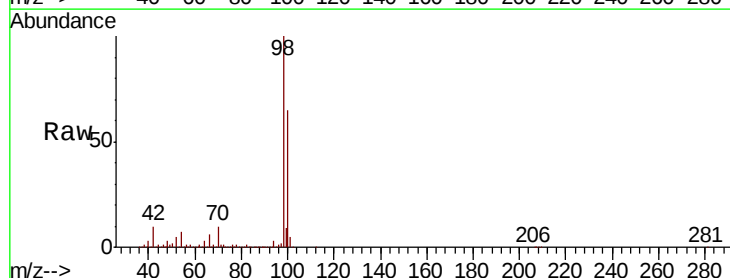
Acq: 10 Sep 2018 19:12

Tgt Ion: 98 Resp: 977985

Ion Ratio Lower Upper

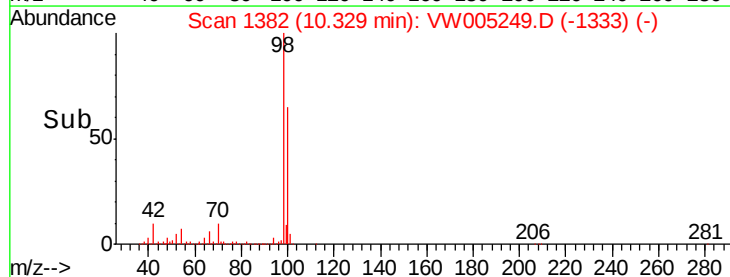
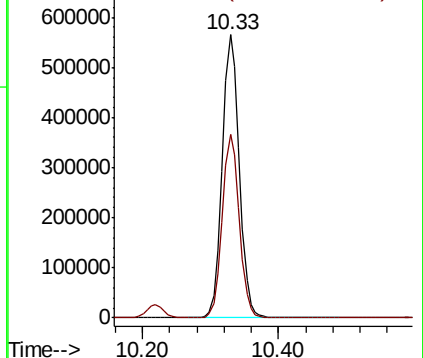
98 100

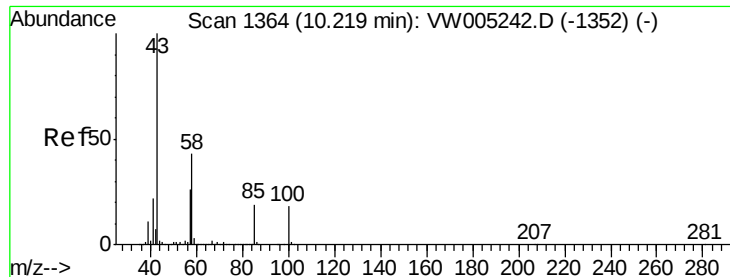
100 65.0 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

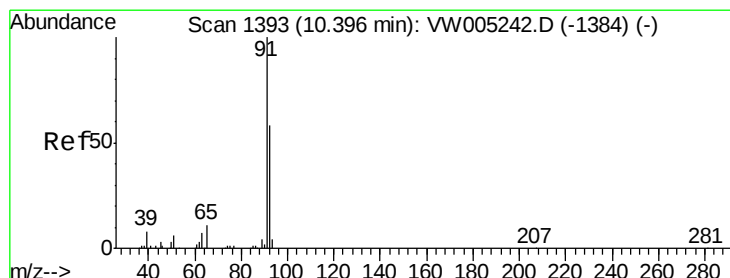
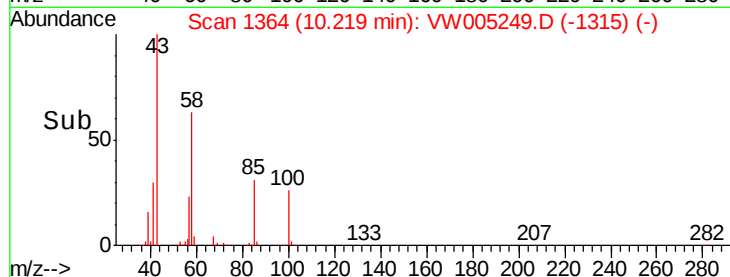
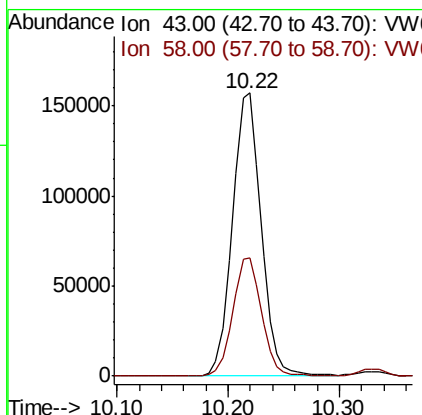
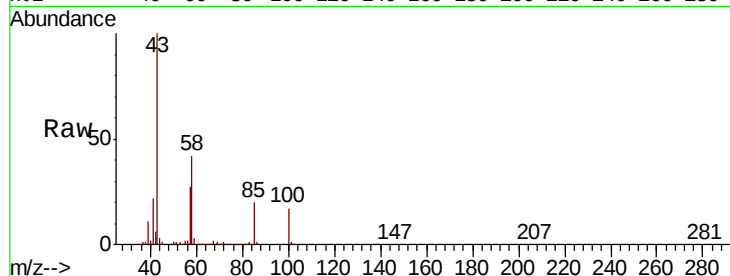




#51  
 4-Methyl-2-Pentanone  
 Concen: 104.015 ug/l  
 RT: 10.22 min Scan# 1364  
 Delta R.T. -0.00 min  
 Lab File: VW005249.D  
 Acq: 10 Sep 2018 19:12

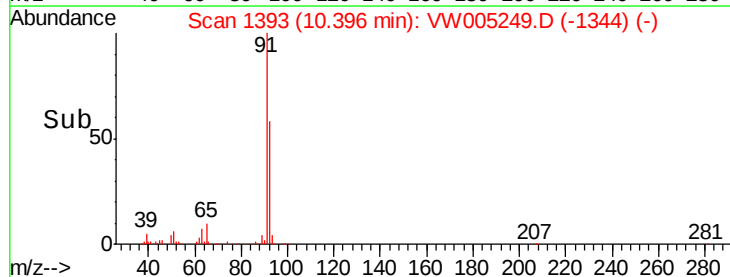
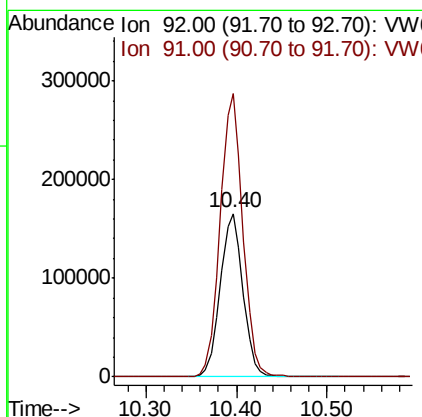
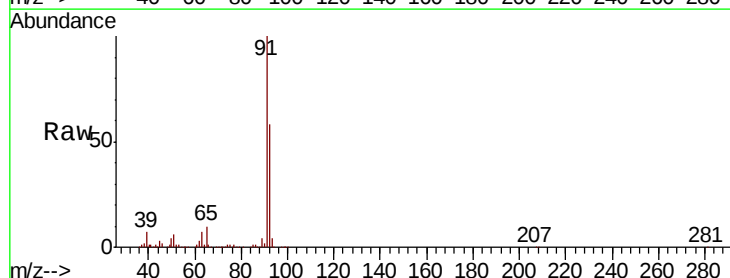
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0910SBSD01

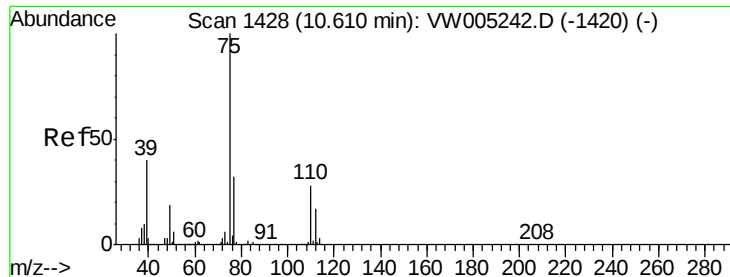
Tgt Ion: 43 Resp: 280235  
 Ion Ratio Lower Upper  
 43 100  
 58 42.0 33.8 50.6



#52  
 Toluene  
 Concen: 20.092 ug/l  
 RT: 10.40 min Scan# 1393  
 Delta R.T. -0.00 min  
 Lab File: VW005249.D  
 Acq: 10 Sep 2018 19:12

Tgt Ion: 92 Resp: 291605  
 Ion Ratio Lower Upper  
 92 100  
 91 172.5 137.4 206.0





#53

t-1,3-Dichloropropene

Concen: 19.940 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW005249.D

Acq: 10 Sep 2018 19:12

Instrument :

MSVOA\_W

ClientSampleId :

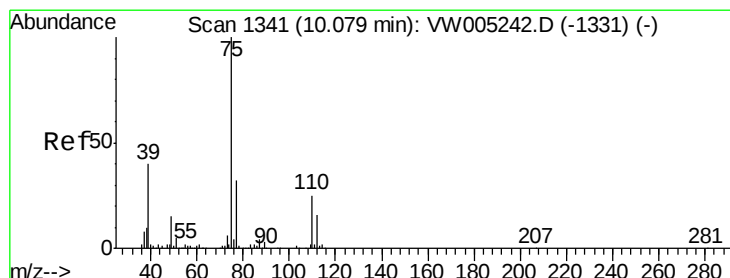
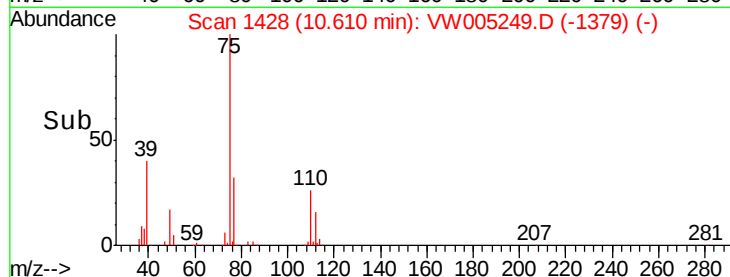
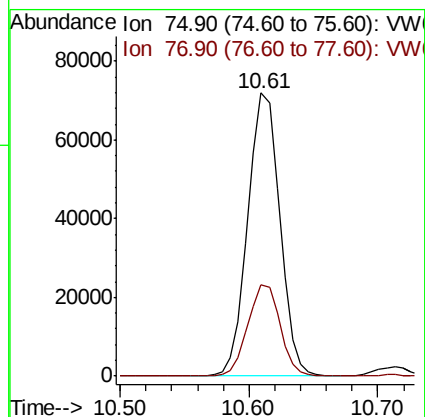
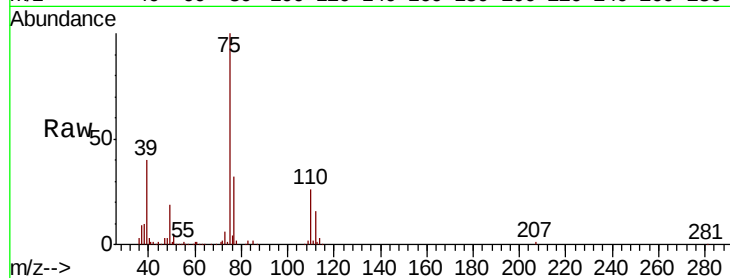
VW0910SBSD01

Tgt Ion: 75 Resp: 123848

Ion Ratio Lower Upper

75 100

77 32.2 25.8 38.8



#54

cis-1,3-Dichloropropene

Concen: 20.153 ug/l

RT: 10.08 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VW005249.D

Acq: 10 Sep 2018 19:12

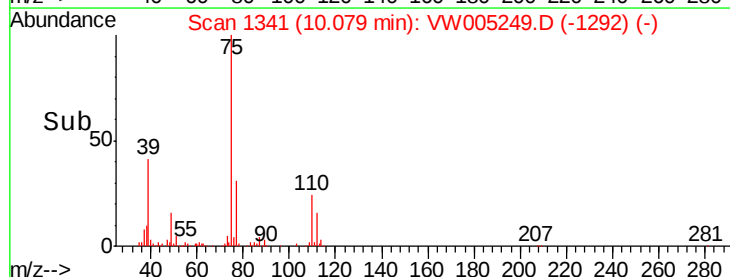
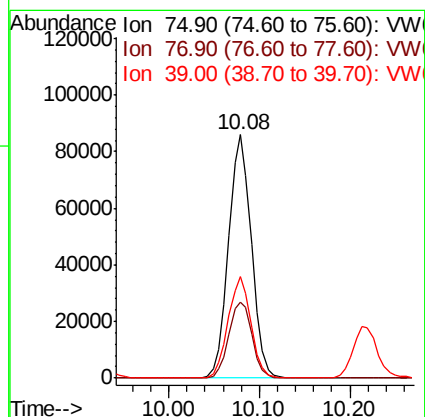
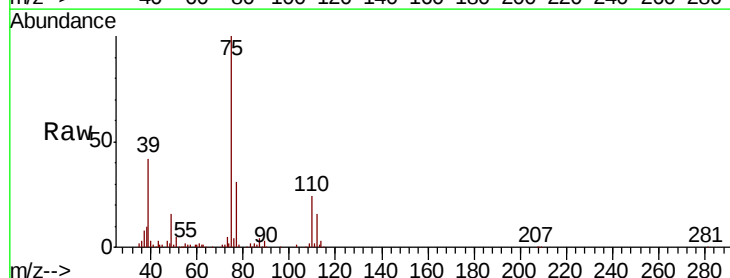
Tgt Ion: 75 Resp: 149896

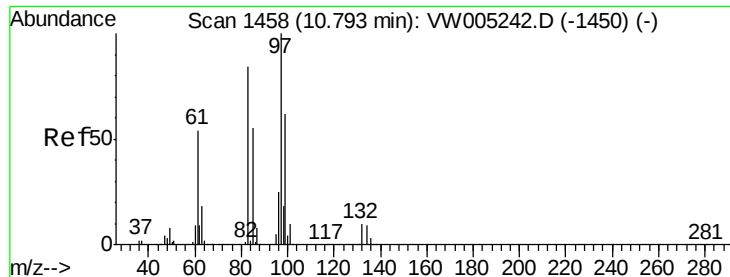
Ion Ratio Lower Upper

75 100

77 31.1 25.5 38.3

39 41.3 31.8 47.6

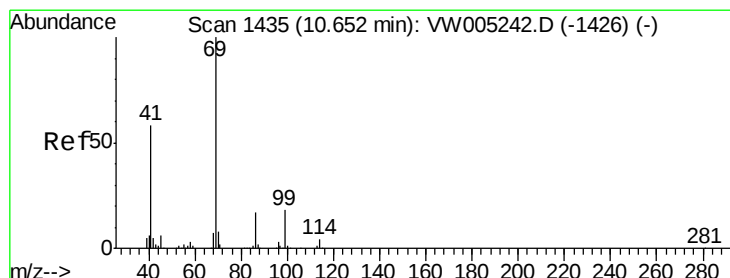
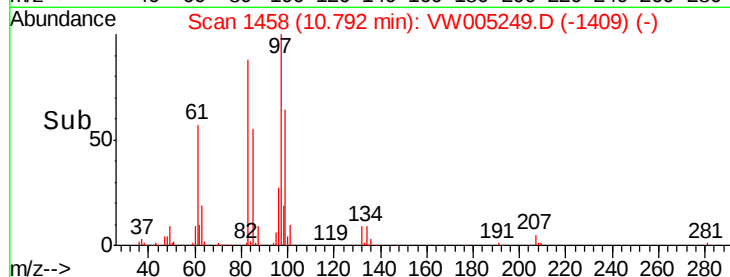
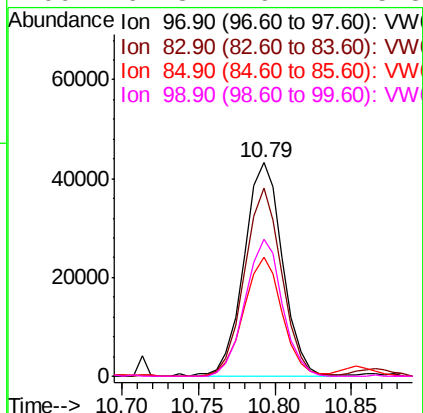
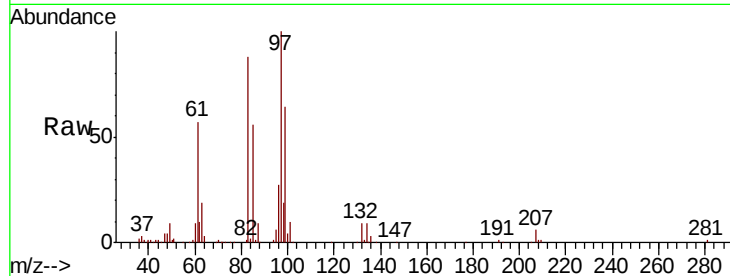




#55  
 1,1,2-Trichloroethane  
 Concen: 20.237 ug/l  
 RT: 10.79 min Scan# 1458  
 Delta R.T. -0.00 min  
 Lab File: VW005249.D  
 Acq: 10 Sep 2018 19:12

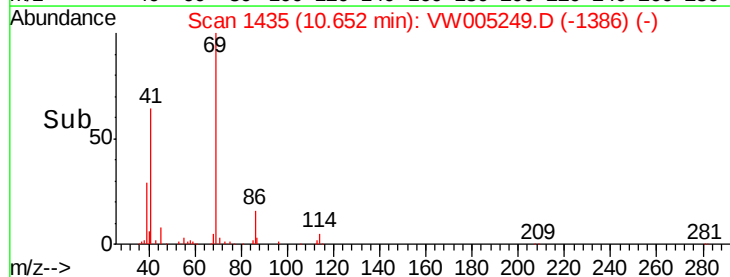
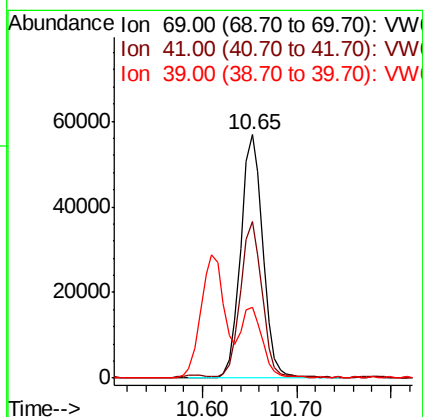
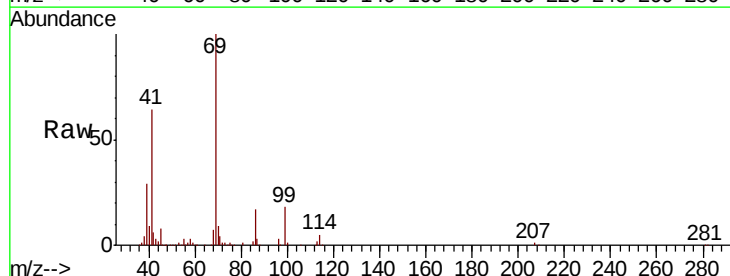
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0910SBSD01

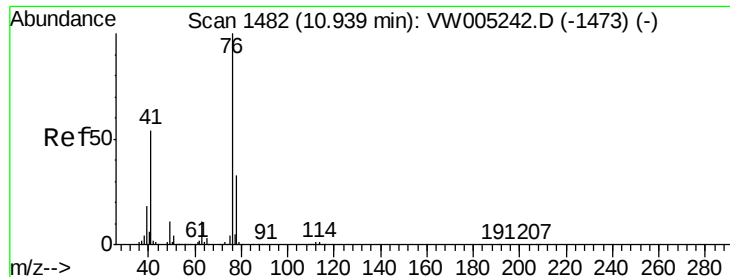
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 75809 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 88.0  | 67.2  | 100.8 |
| 85       | 55.6  | 44.4  | 66.6  |
| 99       | 64.3  | 49.2  | 73.8  |



#56  
 Ethyl methacrylate  
 Concen: 19.711 ug/l  
 RT: 10.65 min Scan# 1435  
 Delta R.T. -0.00 min  
 Lab File: VW005249.D  
 Acq: 10 Sep 2018 19:12

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 93611 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 62.4  | 48.7  | 73.1  |
| 39       | 27.5  | 20.9  | 31.3  |





#57

1,3-Dichloropropane

Concen: 20.272 ug/l

RT: 10.94 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VW005249.D

Acq: 10 Sep 2018 19:12

Instrument :

MSVOA\_W

ClientSampleId :

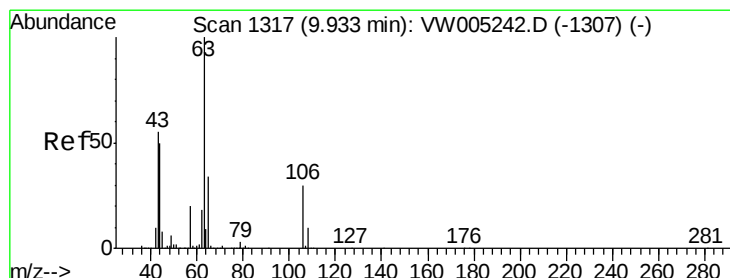
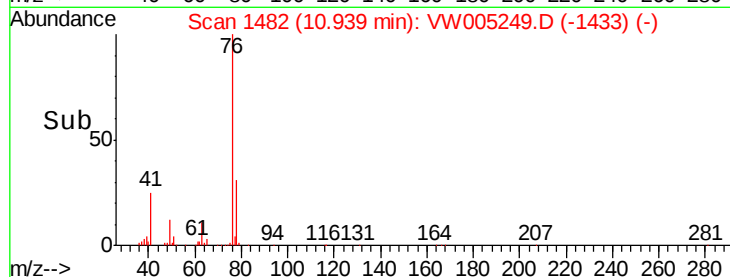
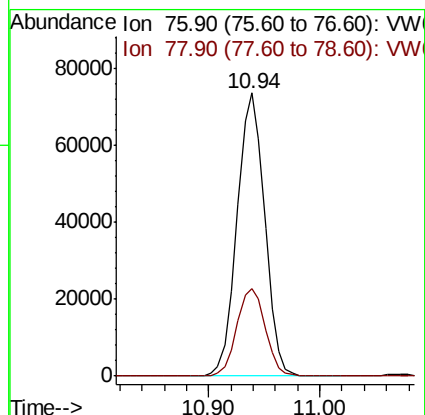
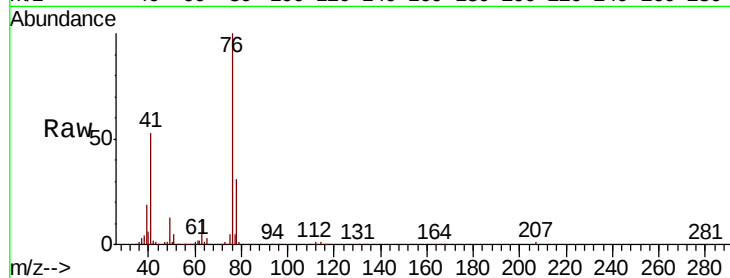
VW0910SBSD01

Tgt Ion: 76 Resp: 126098

Ion Ratio Lower Upper

76 100

78 32.2 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 106.937 ug/l

RT: 9.93 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VW005249.D

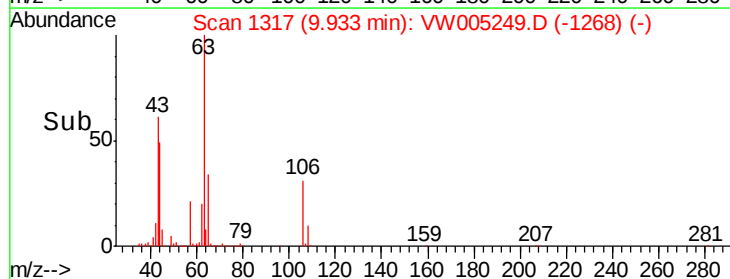
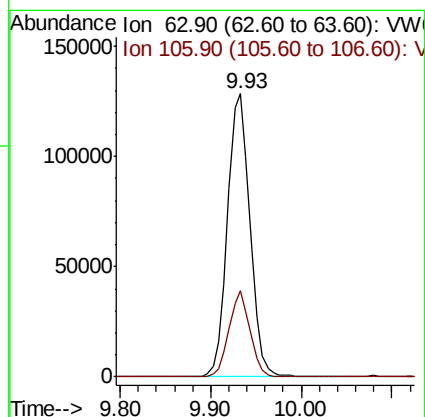
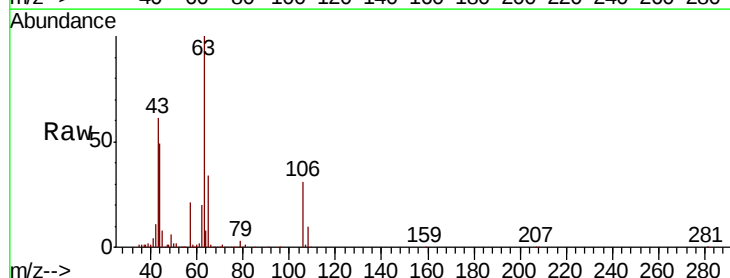
Acq: 10 Sep 2018 19:12

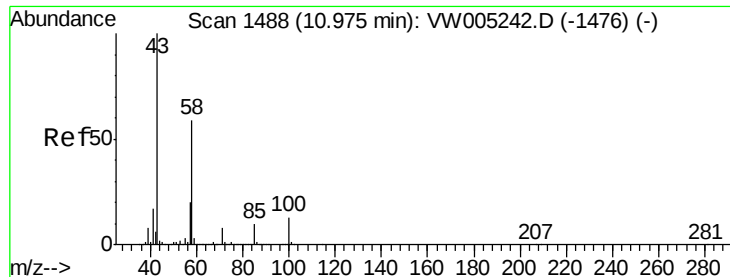
Tgt Ion: 63 Resp: 220735

Ion Ratio Lower Upper

63 100

106 28.4 23.4 35.0

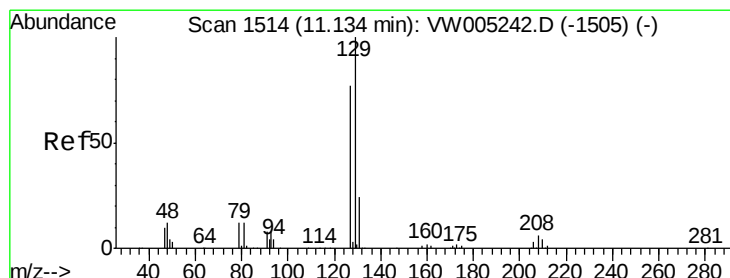
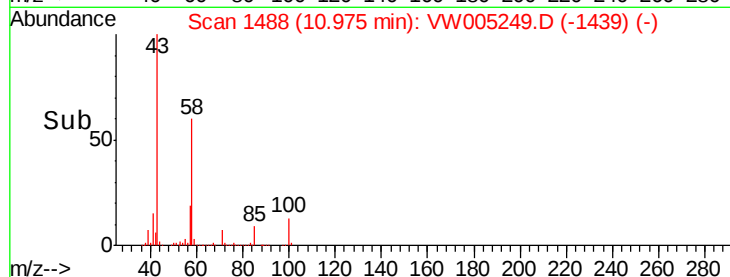
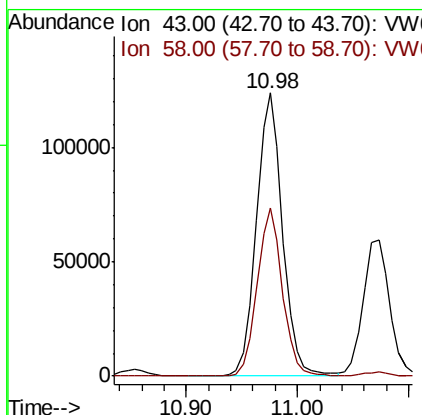
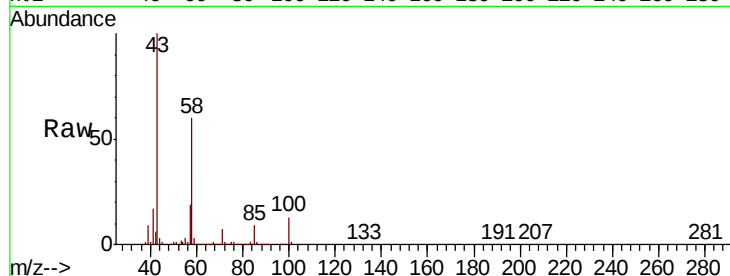




#59  
2-Hexanone  
Concen: 104.044 ug/l  
RT: 10.98 min Scan# 1488  
Delta R.T. -0.00 min  
Lab File: VW005249.D  
Acq: 10 Sep 2018 19:12

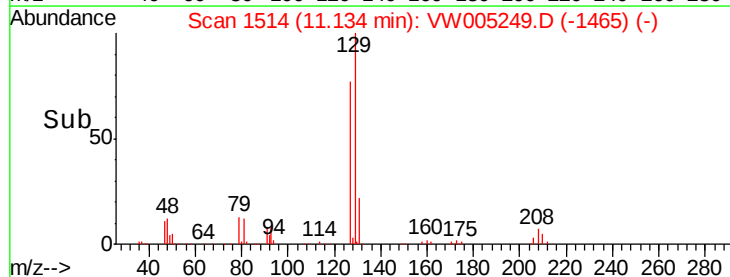
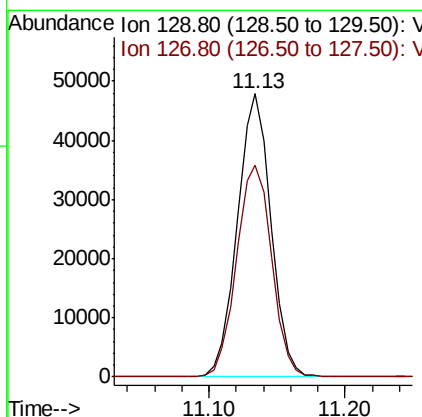
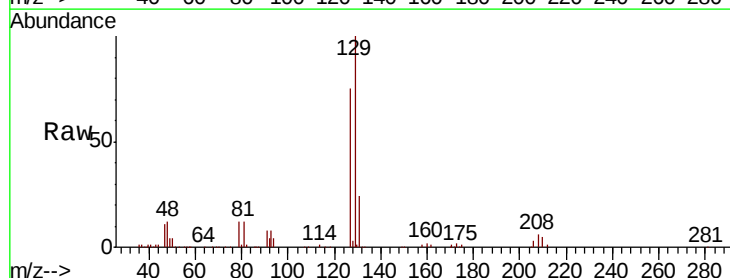
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0910SBSD01

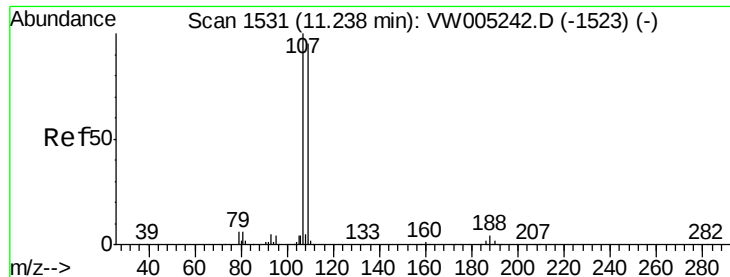
Tgt Ion: 43 Resp: 202084  
Ion Ratio Lower Upper  
43 100  
58 57.6 29.3 87.9



#60  
Dibromochloromethane  
Concen: 19.803 ug/l  
RT: 11.13 min Scan# 1514  
Delta R.T. -0.00 min  
Lab File: VW005249.D  
Acq: 10 Sep 2018 19:12

Tgt Ion: 129 Resp: 82313  
Ion Ratio Lower Upper  
129 100  
127 78.6 39.0 117.0

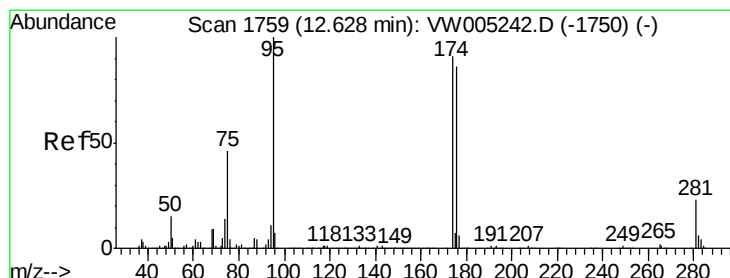
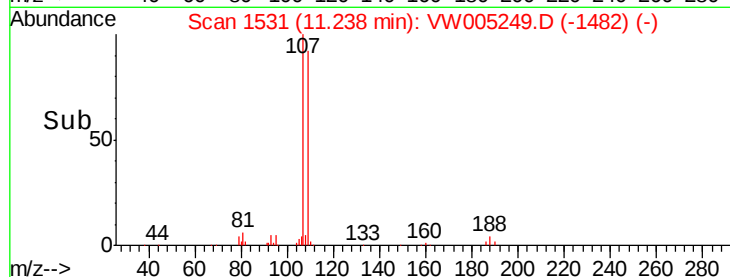
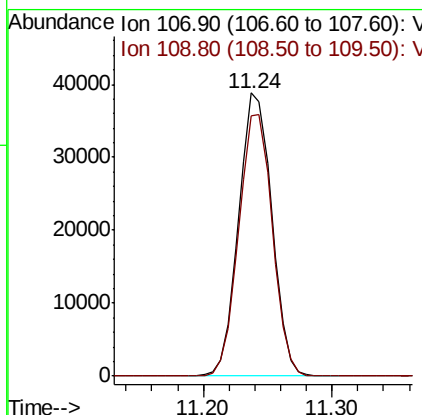
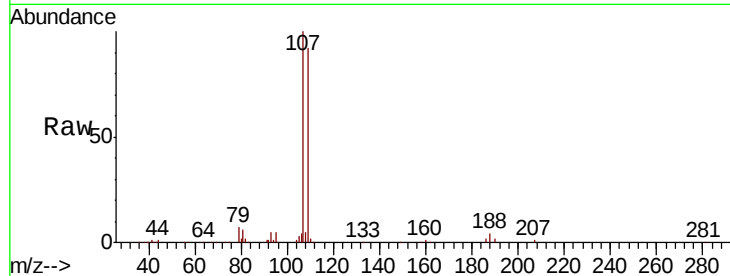




#61  
 1,2-Dibromoethane  
 Concen: 20.144 ug/l  
 RT: 11.24 min Scan# 1531  
 Delta R.T. -0.00 min  
 Lab File: VW005249.D  
 Acq: 10 Sep 2018 19:12

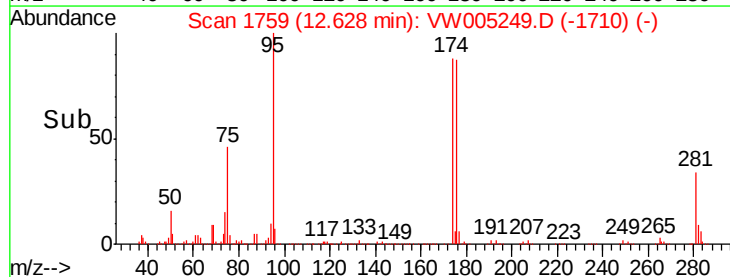
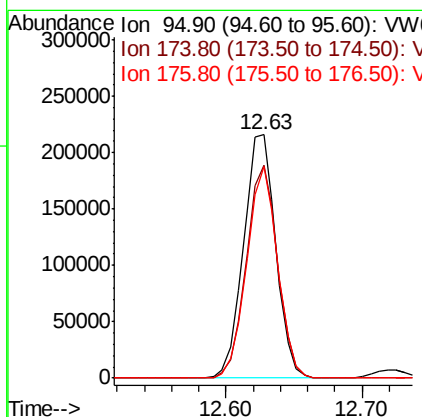
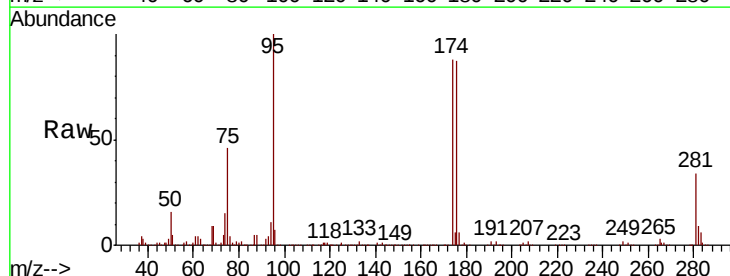
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0910SBSD01

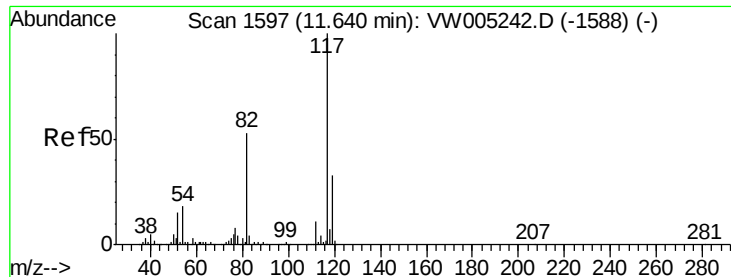
Tgt Ion: 107 Resp: 69200  
 Ion Ratio Lower Upper  
 107 100  
 109 94.0 75.7 113.5



#62  
 4-Bromofluorobenzene  
 Concen: 49.917 ug/l  
 RT: 12.63 min Scan# 1759  
 Delta R.T. -0.00 min  
 Lab File: VW005249.D  
 Acq: 10 Sep 2018 19:12

Tgt Ion: 95 Resp: 357558  
 Ion Ratio Lower Upper  
 95 100  
 174 85.3 0.0 174.6  
 176 83.2 0.0 167.6

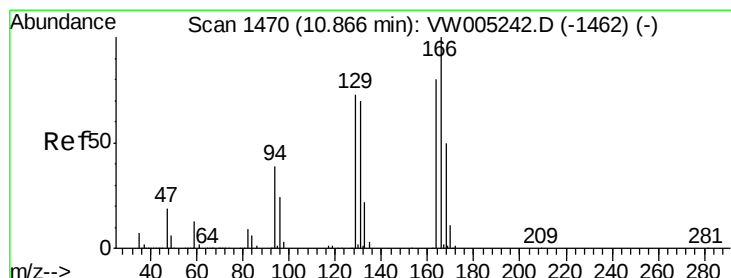
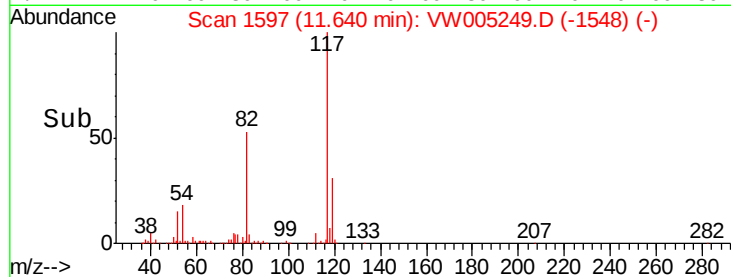
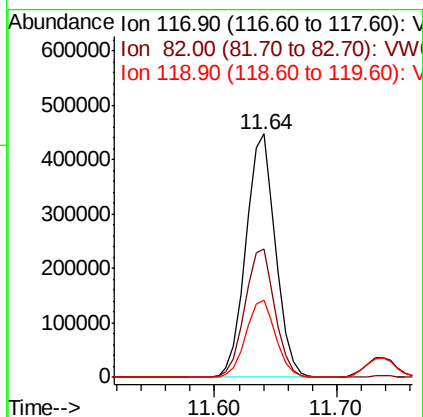
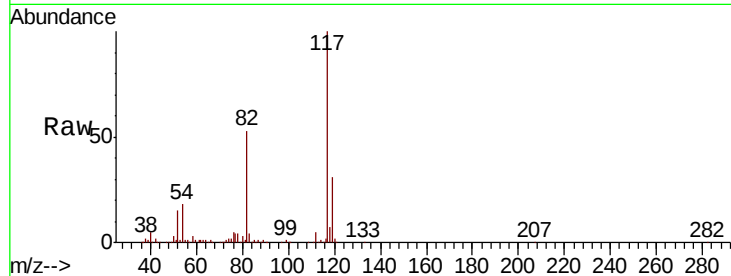




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.64 min Scan# 1597  
Delta R.T. -0.00 min  
Lab File: VW005249.D  
Acq: 10 Sep 2018 19:12

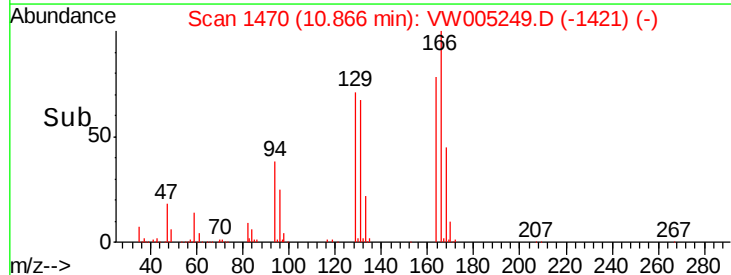
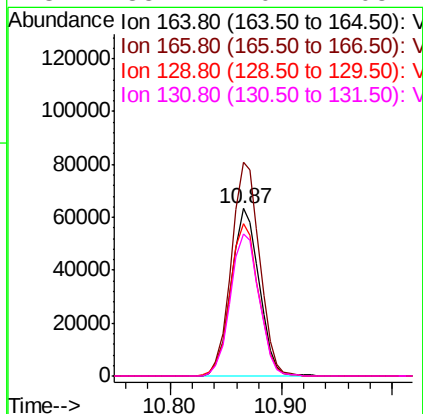
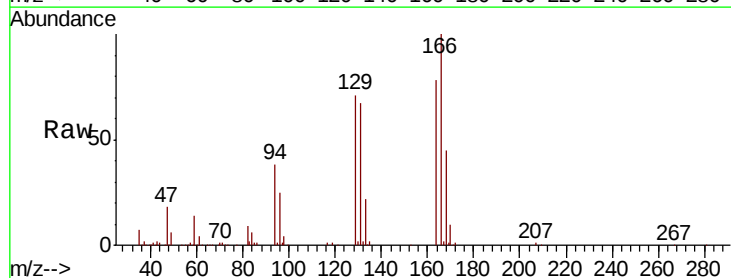
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0910SBSD01

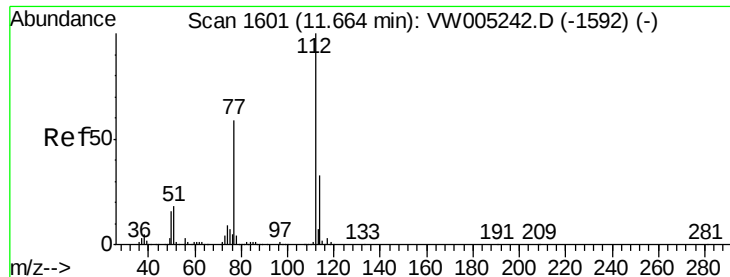
Tgt Ion:117 Resp: 752226  
Ion Ratio Lower Upper  
117 100  
82 52.5 42.6 63.8  
119 31.5 26.2 39.4



#64  
Tetrachloroethene  
Concen: 19.708 ug/l  
RT: 10.87 min Scan# 1470  
Delta R.T. -0.00 min  
Lab File: VW005249.D  
Acq: 10 Sep 2018 19:12

Tgt Ion:164 Resp: 109987  
Ion Ratio Lower Upper  
164 100  
166 127.8 100.2 150.2  
129 91.2 73.2 109.8  
131 85.1 70.2 105.4





#65

Chlorobenzene

Concen: 19.502 ug/l

RT: 11.66 min Scan# 1601

Delta R.T. -0.00 min

Lab File: VW005249.D

Acq: 10 Sep 2018 19:12

Instrument :

MSVOA\_W

ClientSampleId :

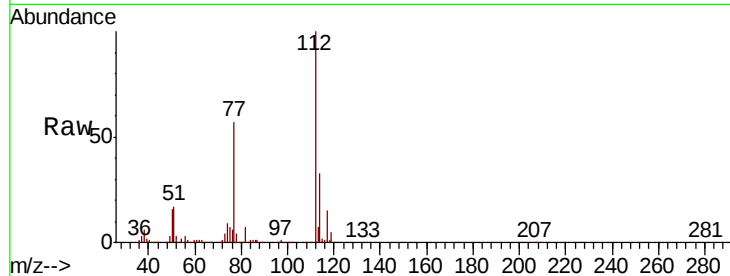
VW0910SBSD01

Tgt Ion:112 Resp: 321359

Ion Ratio Lower Upper

112 100

114 32.7 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.66

200000

150000

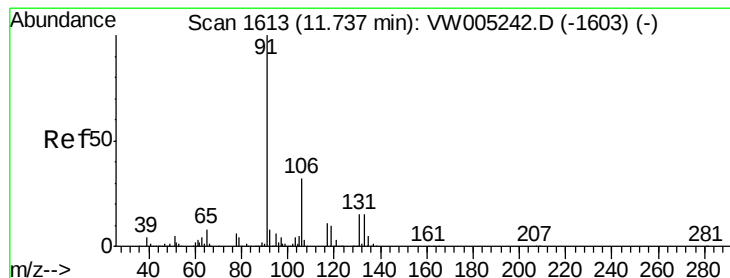
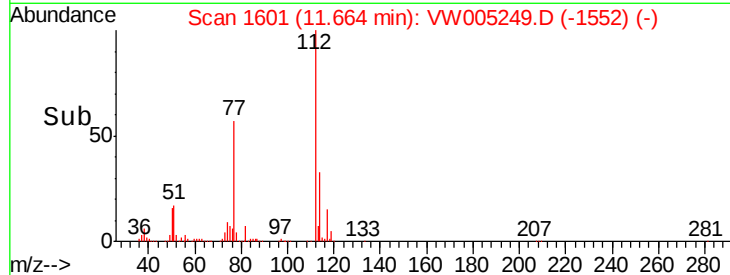
100000

50000

0

Time-->

11.60 11.70



#66

1,1,1,2-Tetrachloroethane

Concen: 19.249 ug/l

RT: 11.74 min Scan# 1613

Delta R.T. -0.00 min

Lab File: VW005249.D

Acq: 10 Sep 2018 19:12

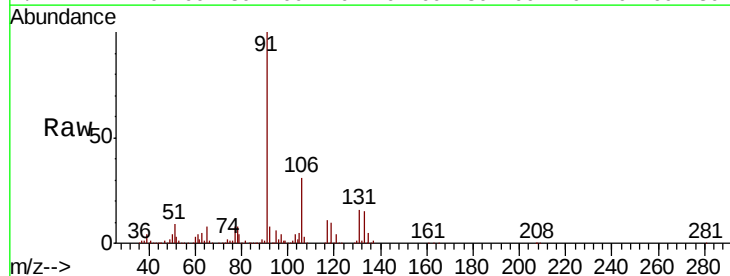
Tgt Ion:131 Resp: 94708

Ion Ratio Lower Upper

131 100

133 94.4 48.1 144.3

119 65.9 33.4 100.1



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

150000

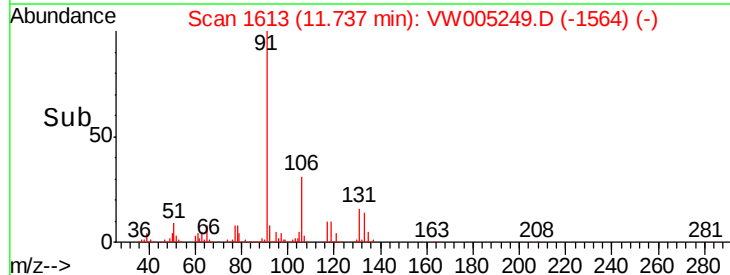
100000

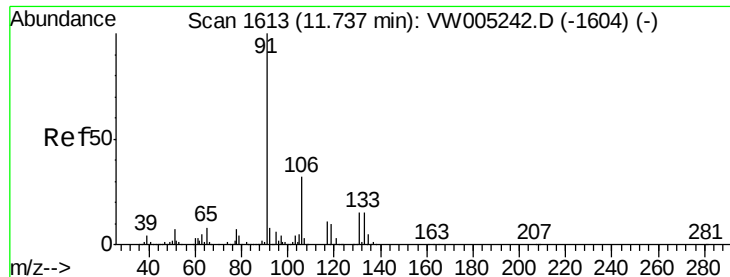
50000

0

Time-->

11.70 11.80

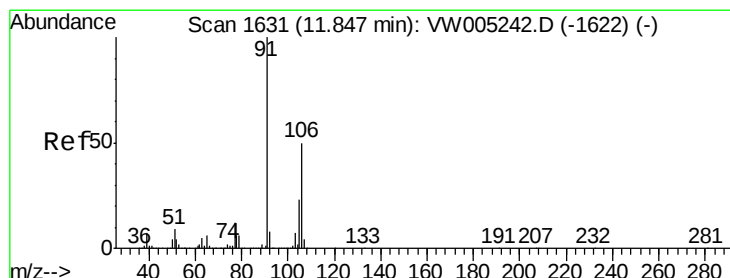
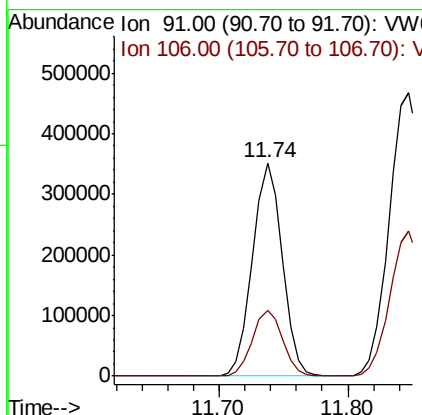
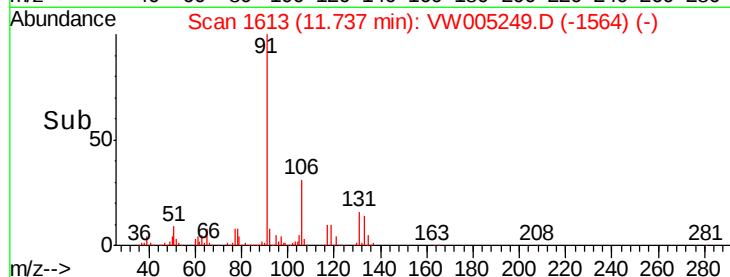
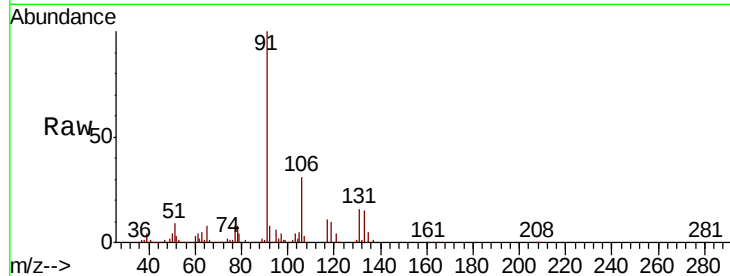




#67  
Ethyl Benzene  
Concen: 19.515 ug/l  
RT: 11.74 min Scan# 1613  
Delta R.T. -0.00 min  
Lab File: VW005249.D  
Acq: 10 Sep 2018 19:12

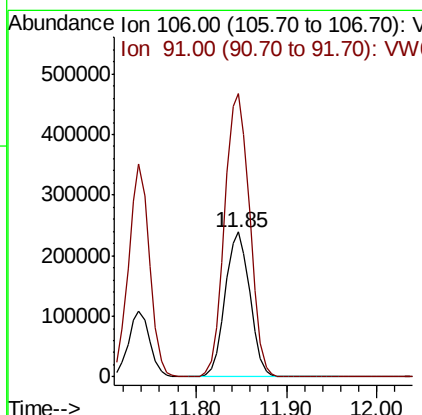
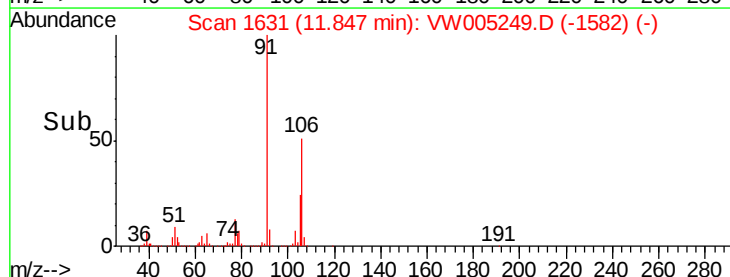
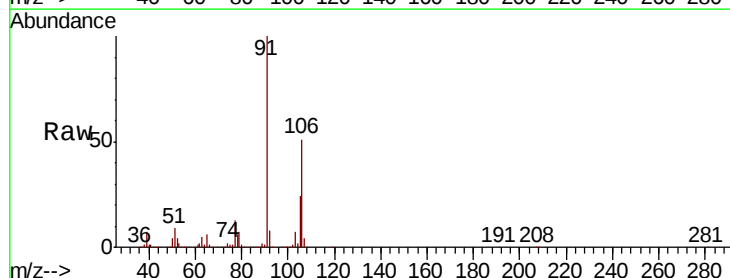
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0910SBSD01

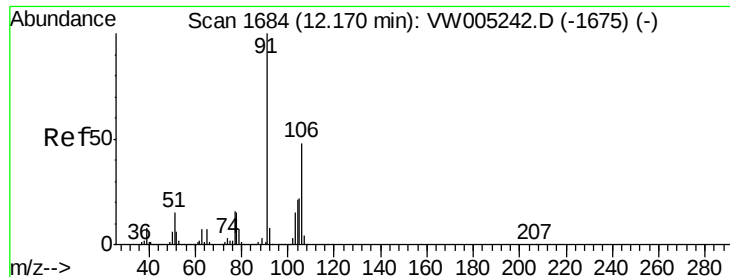
Tgt Ion: 91 Resp: 560018  
Ion Ratio Lower Upper  
91 100  
106 31.1 25.6 38.4



#68  
m/p-Xylenes  
Concen: 38.991 ug/l  
RT: 11.85 min Scan# 1631  
Delta R.T. -0.00 min  
Lab File: VW005249.D  
Acq: 10 Sep 2018 19:12

Tgt Ion: 106 Resp: 450895  
Ion Ratio Lower Upper  
106 100  
91 198.5 160.2 240.2

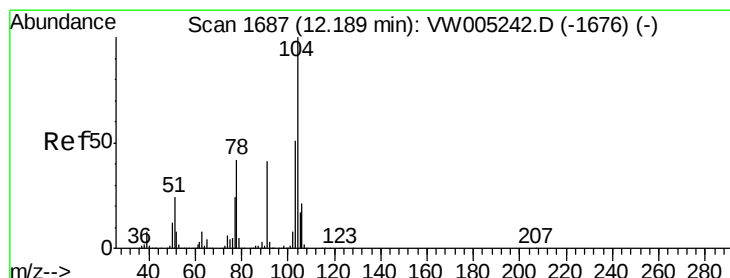
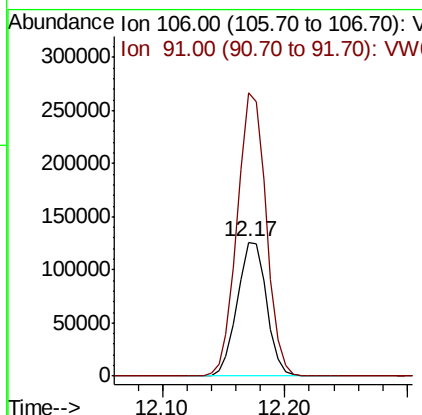
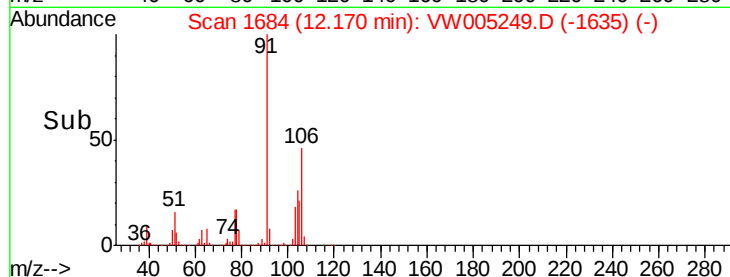
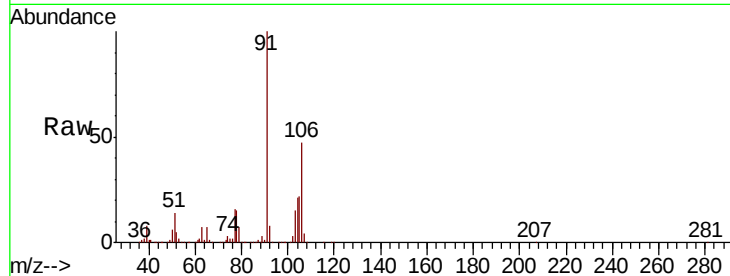




#69  
o-Xylene  
Concen: 19.397 ug/l  
RT: 12.17 min Scan# 1684  
Delta R.T. -0.00 min  
Lab File: VW005249.D  
Acq: 10 Sep 2018 19:12

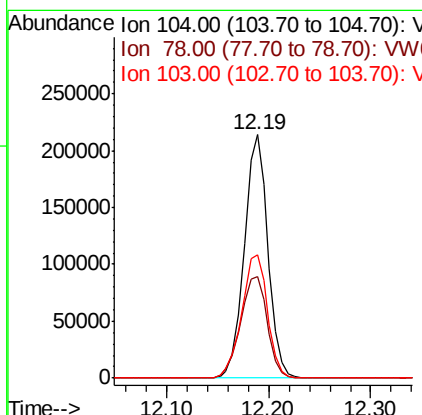
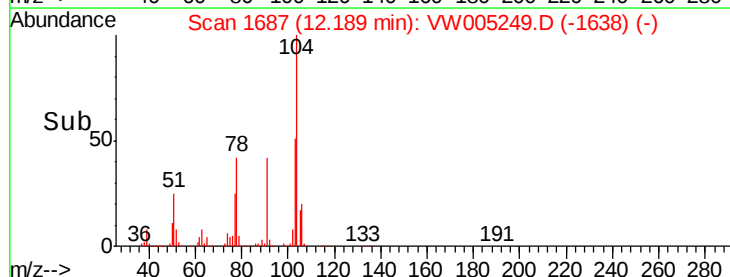
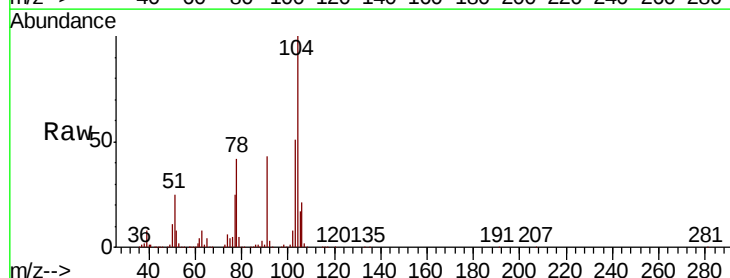
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0910SBSD01

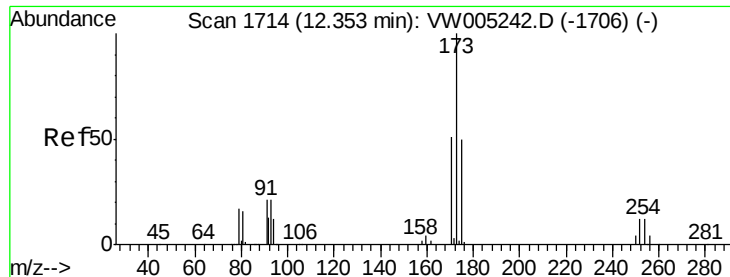
Tgt Ion:106 Resp: 208692  
Ion Ratio Lower Upper  
106 100  
91 209.6 104.1 312.3



#70  
Styrene  
Concen: 19.534 ug/l  
RT: 12.19 min Scan# 1687  
Delta R.T. -0.00 min  
Lab File: VW005249.D  
Acq: 10 Sep 2018 19:12

Tgt Ion:104 Resp: 342940  
Ion Ratio Lower Upper  
104 100  
78 47.6 37.4 56.2  
103 55.6 44.1 66.1





#71

Bromoform

Concen: 18.923 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW005249.D

Acq: 10 Sep 2018 19:12

Instrument :

MSVOA\_W

ClientSampleId :

VW0910SBSD01

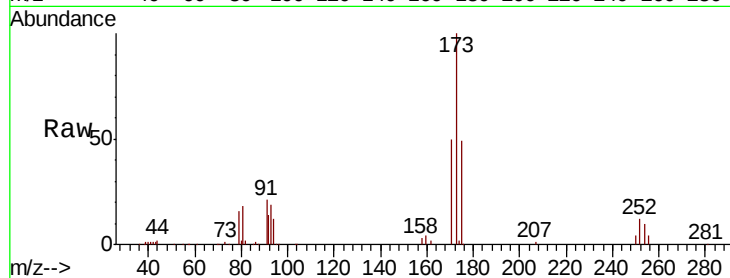
Tgt Ion:173 Resp: 50481

Ion Ratio Lower Upper

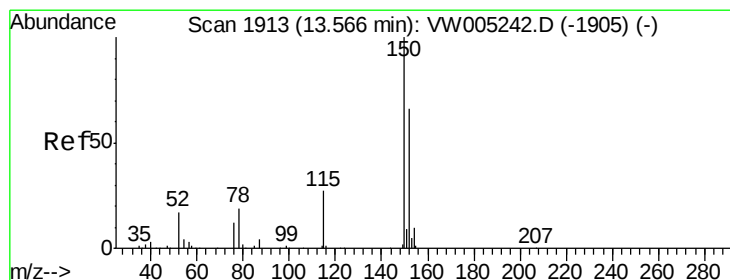
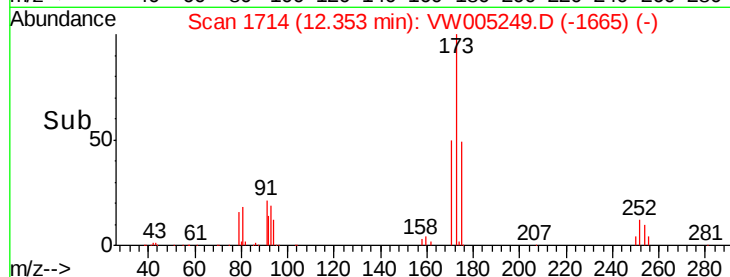
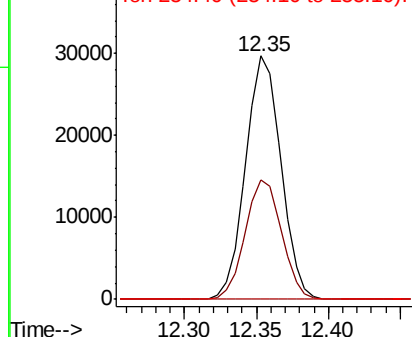
173 100

175 50.4 24.9 74.6

254 0.1 0.1 0.1



Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW005249.D

Acq: 10 Sep 2018 19:12

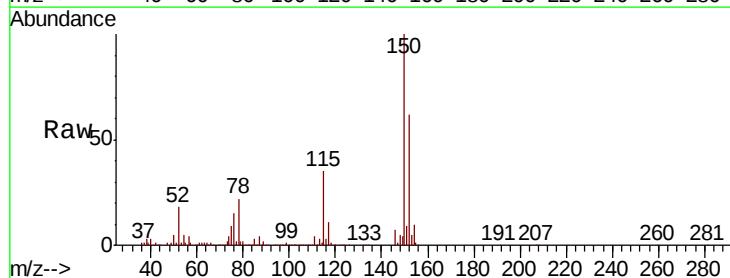
Tgt Ion:152 Resp: 401520

Ion Ratio Lower Upper

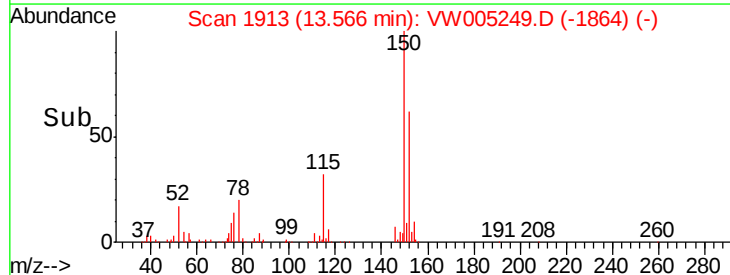
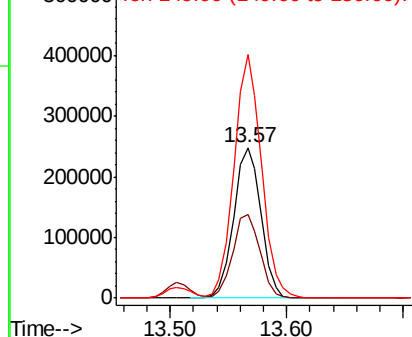
152 100

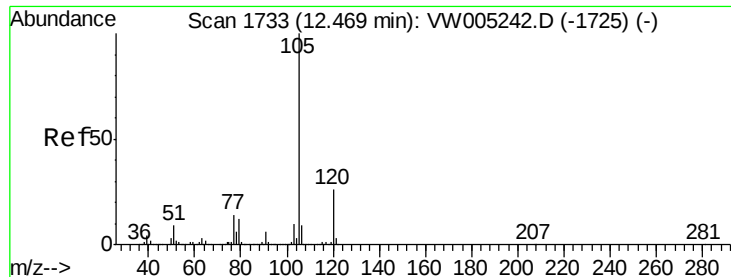
115 56.1 27.5 82.4

150 163.8 0.0 347.4



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.804 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW005249.D

Acq: 10 Sep 2018 19:12

Instrument :

MSVOA\_W

ClientSampleId :

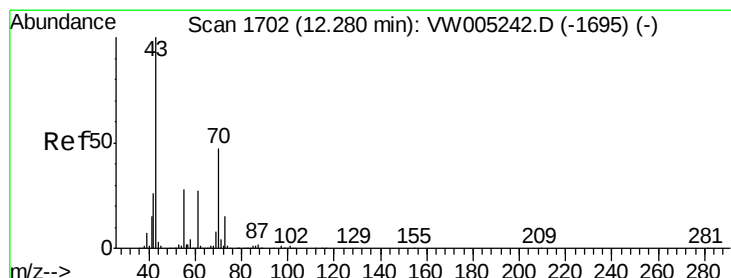
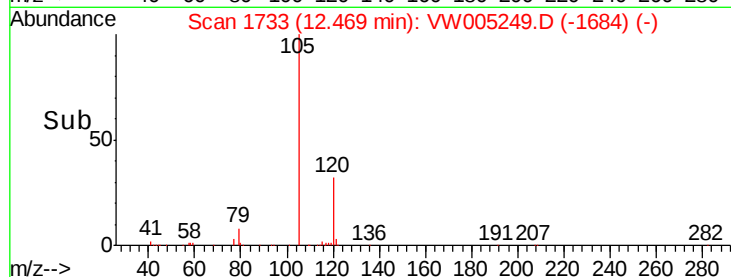
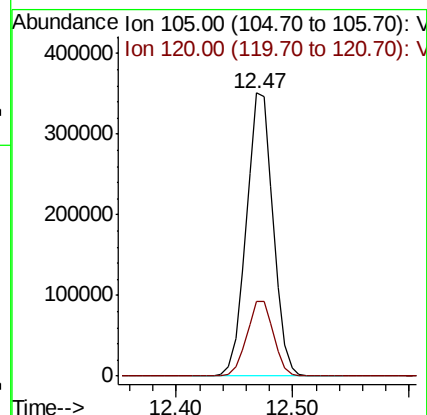
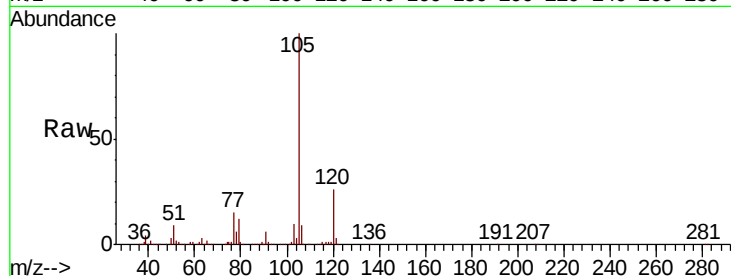
VW0910SBSD01

Tgt Ion:105 Resp: 561816

Ion Ratio Lower Upper

105 100

120 26.5 13.4 40.1



#74

N-ethyl acetate

Concen: 20.426 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VW005249.D

Acq: 10 Sep 2018 19:12

Tgt Ion: 43 Resp: 110253

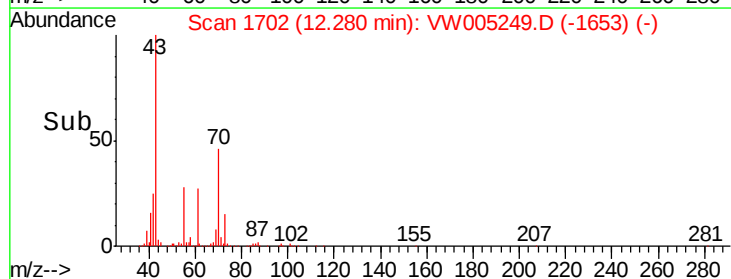
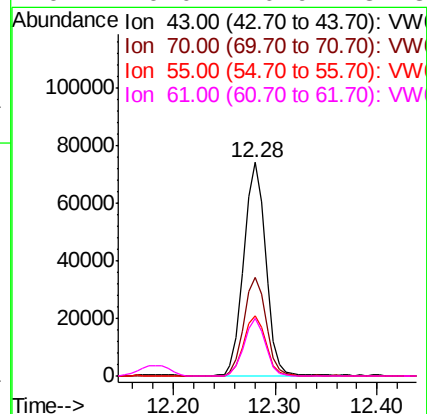
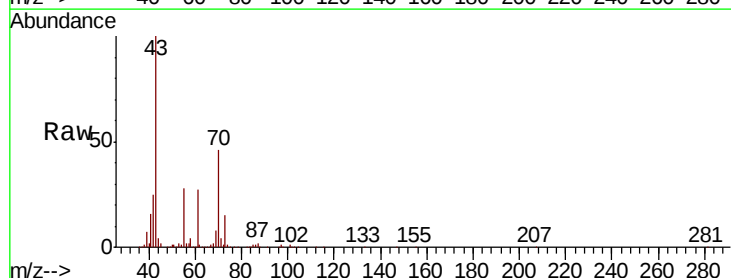
Ion Ratio Lower Upper

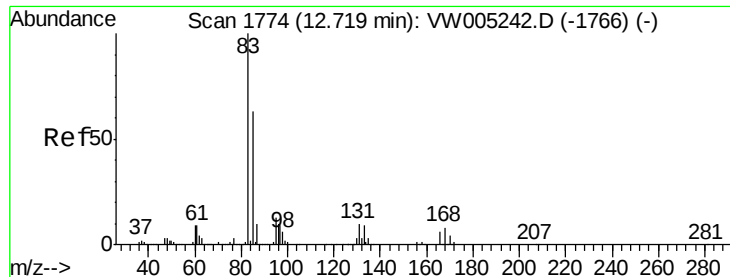
43 100

70 46.6 37.9 56.9

55 28.6 22.6 33.8

61 26.0 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 20.447 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW005249.D

Acq: 10 Sep 2018 19:12

Instrument :

MSVOA\_W

ClientSampleId :

VW0910SBSD01

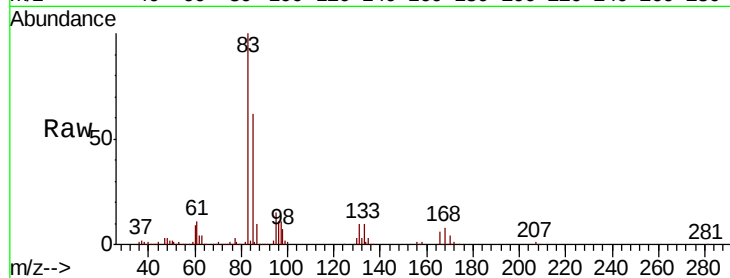
Tgt Ion: 83 Resp: 87176

Ion Ratio Lower Upper

83 100

131 10.8 5.5 16.4

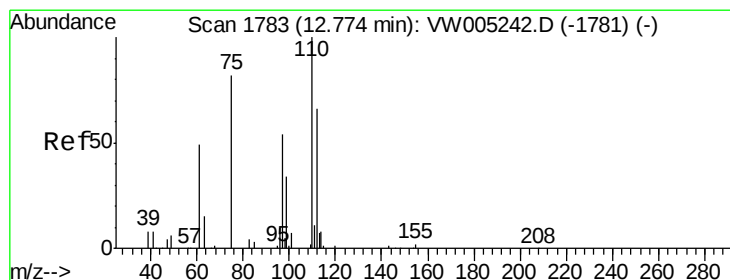
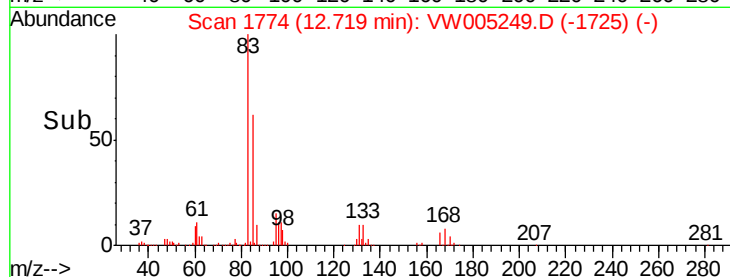
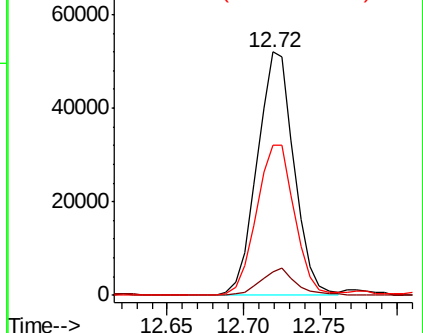
85 63.9 31.6 95.0



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 37.061 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW005249.D

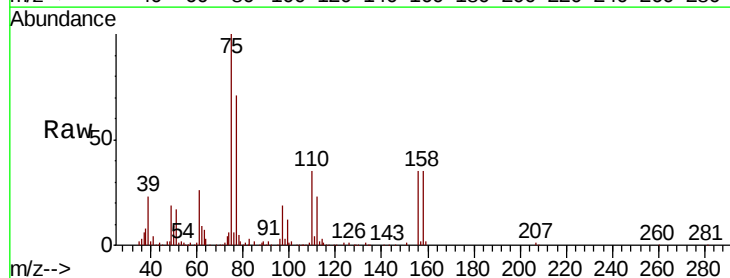
Acq: 10 Sep 2018 19:12

Tgt Ion: 75 Resp: 114456

Ion Ratio Lower Upper

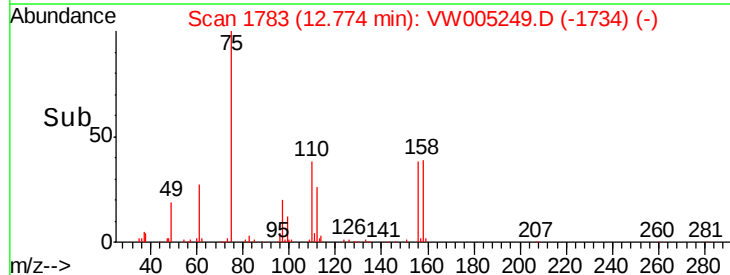
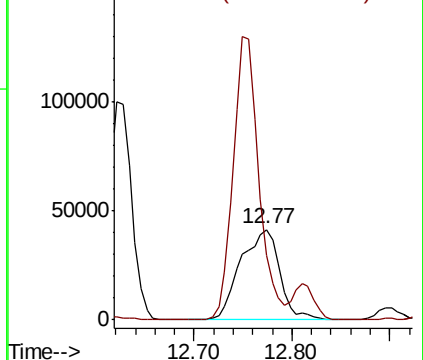
75 100

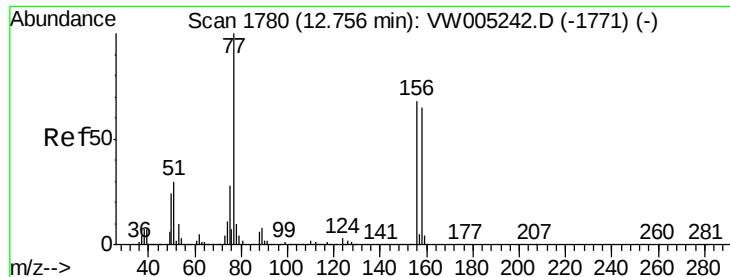
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.208 ug/l

RT: 12.76 min Scan# 1780

Delta R.T. -0.00 min

Lab File: VW005249.D

Acq: 10 Sep 2018 19:12

Instrument :

MSVOA\_W

ClientSampleId :

VW0910SBSD01

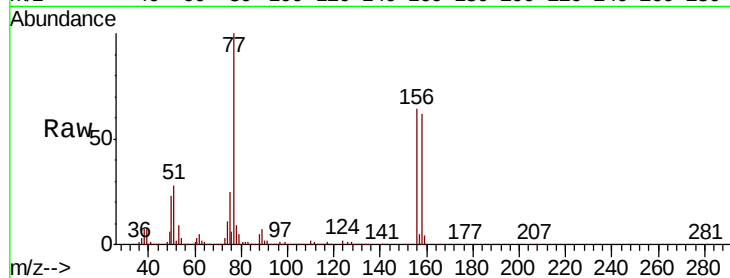
Tgt Ion: 156 Resp: 135061

Ion Ratio Lower Upper

156 100

77 175.7 86.3 258.8

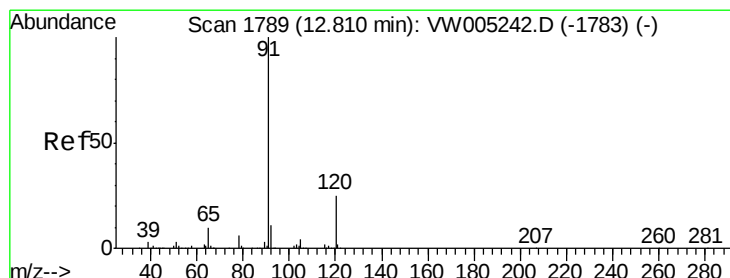
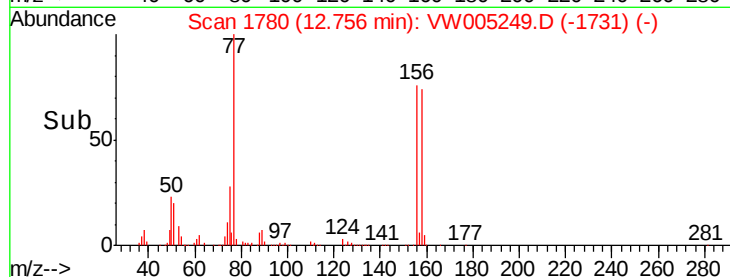
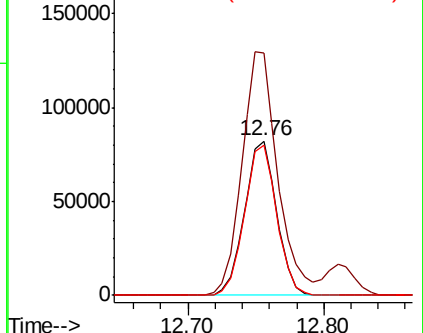
158 97.8 48.6 145.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.106 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW005249.D

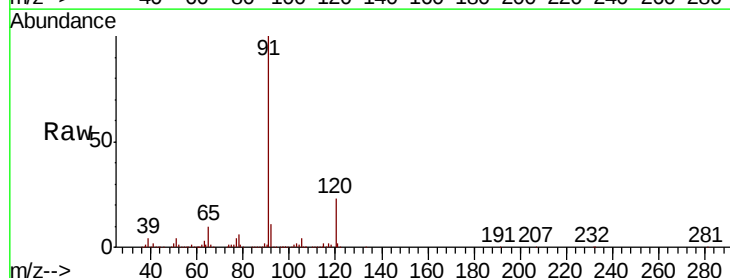
Acq: 10 Sep 2018 19:12

Tgt Ion: 91 Resp: 685068

Ion Ratio Lower Upper

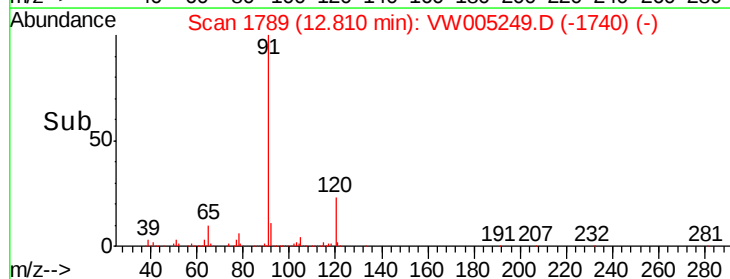
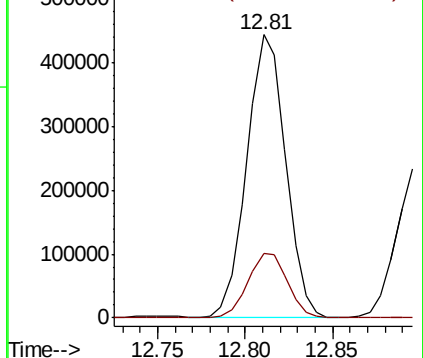
91 100

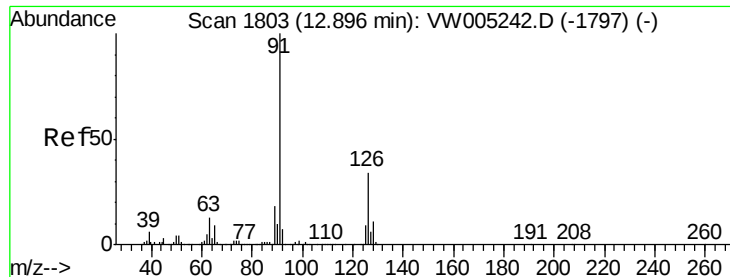
120 23.3 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.019 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW005249.D

Acq: 10 Sep 2018 19:12

Instrument :

MSVOA\_W

ClientSampleId :

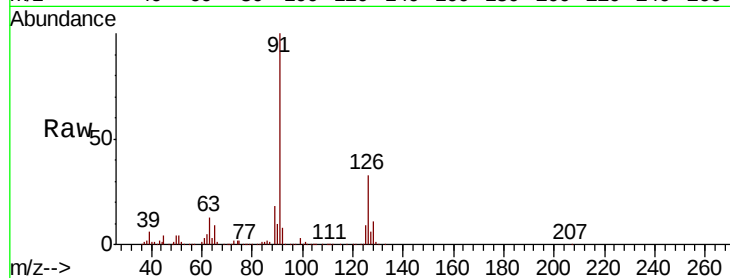
VW0910SBSD01

Tgt Ion: 91 Resp: 391144

Ion Ratio Lower Upper

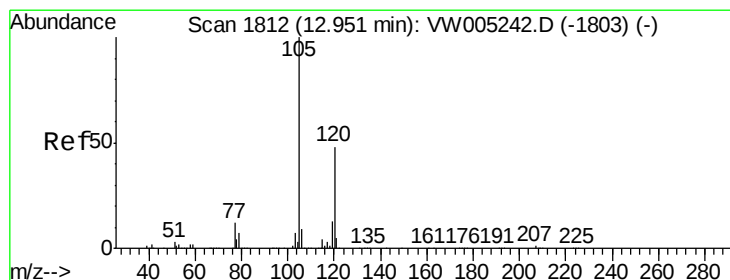
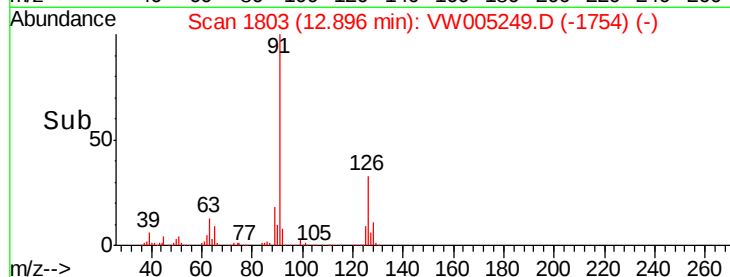
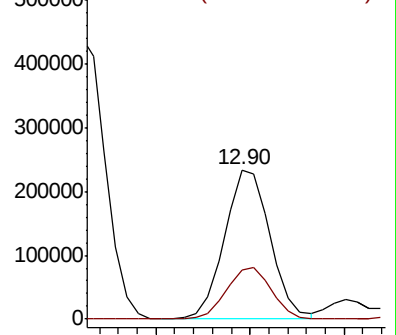
91 100

126 34.3 17.2 51.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.973 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VW005249.D

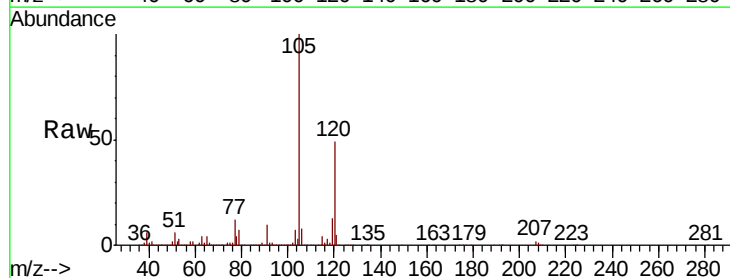
Acq: 10 Sep 2018 19:12

Tgt Ion: 105 Resp: 482495

Ion Ratio Lower Upper

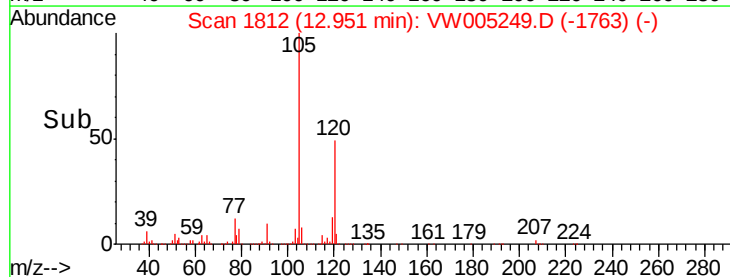
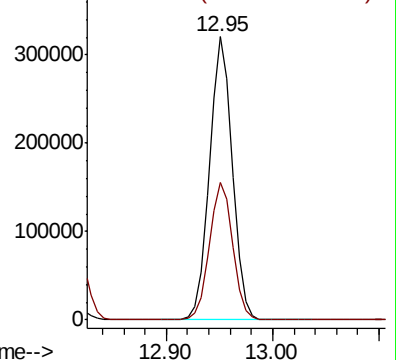
105 100

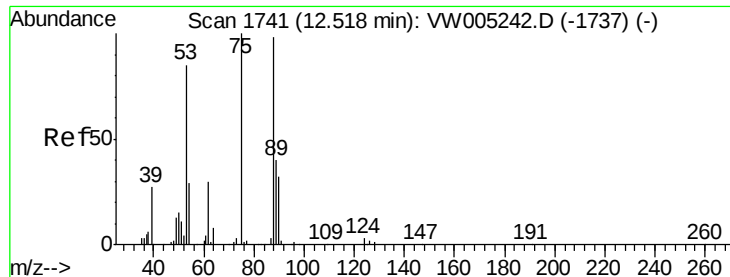
120 49.5 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 18.954 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VW005249.D

Acq: 10 Sep 2018 19:12

Instrument :

MSVOA\_W

ClientSampleId :

VW0910SBSD01

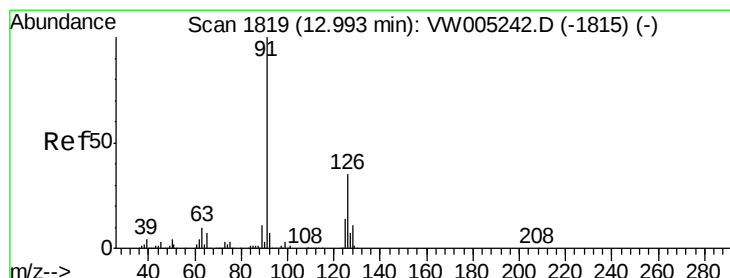
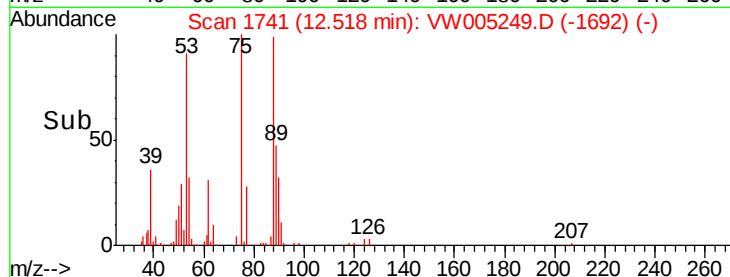
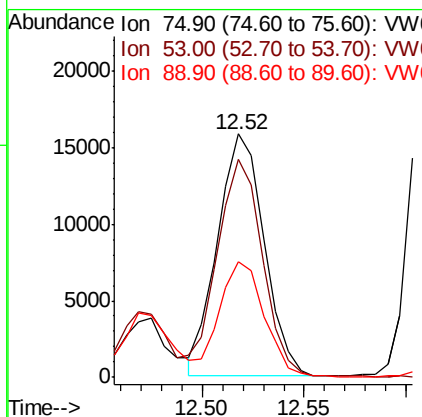
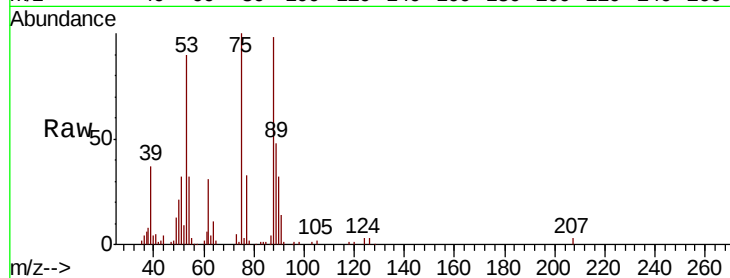
Tgt Ion: 75 Resp: 24959

Ion Ratio Lower Upper

75 100

53 90.3 67.0 100.6

89 47.2 37.0 55.4



#82

4-Chlorotoluene

Concen: 20.252 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW005249.D

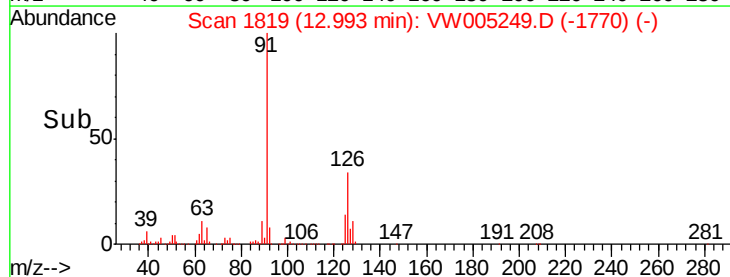
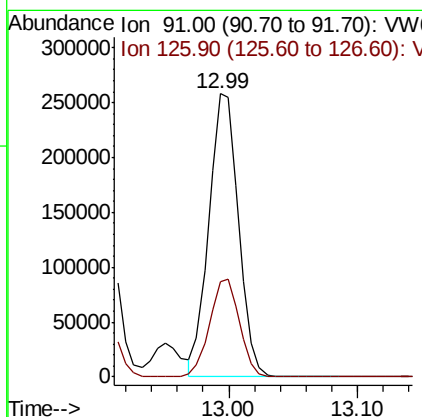
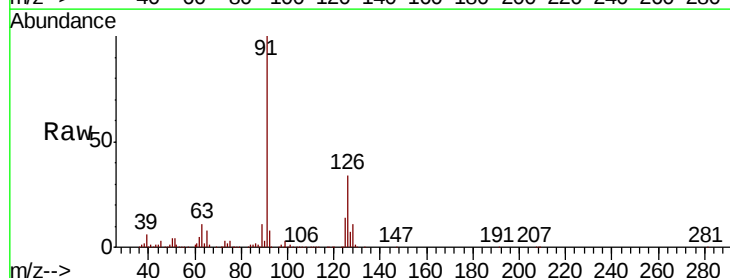
Acq: 10 Sep 2018 19:12

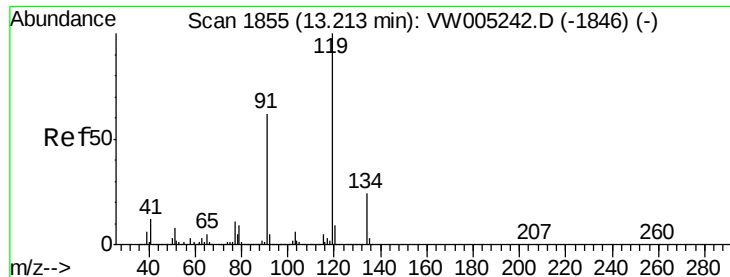
Tgt Ion: 91 Resp: 415915

Ion Ratio Lower Upper

91 100

126 34.9 17.5 52.5





#83

tert-Butylbenzene

Concen: 19.308 ug/l

RT: 13.21 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VW005249.D

Acq: 10 Sep 2018 19:12

Instrument :

MSVOA\_W

ClientSampleId :

VW0910SBSD01

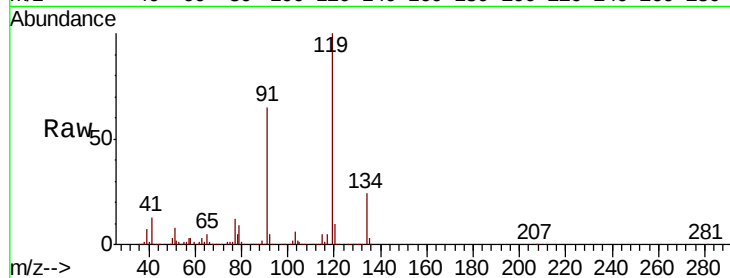
Tgt Ion:119 Resp: 407929

Ion Ratio Lower Upper

119 100

91 63.3 31.7 95.1

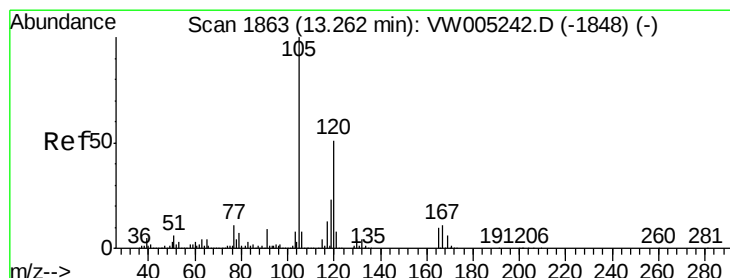
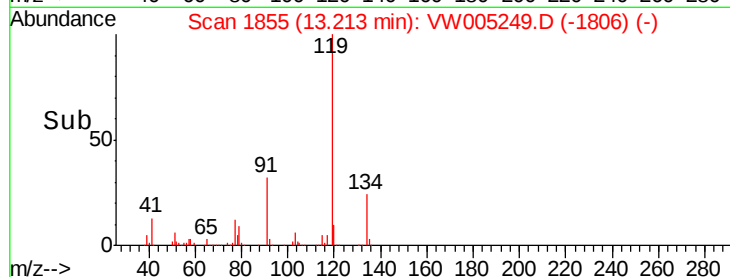
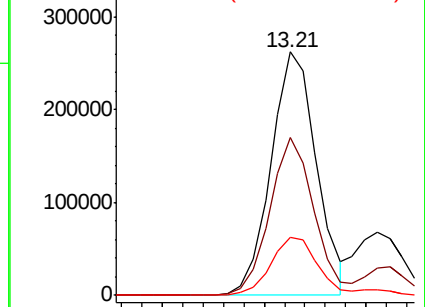
134 26.2 13.0 38.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VW

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.097 ug/l

RT: 13.26 min Scan# 1863

Delta R.T. -0.00 min

Lab File: VW005249.D

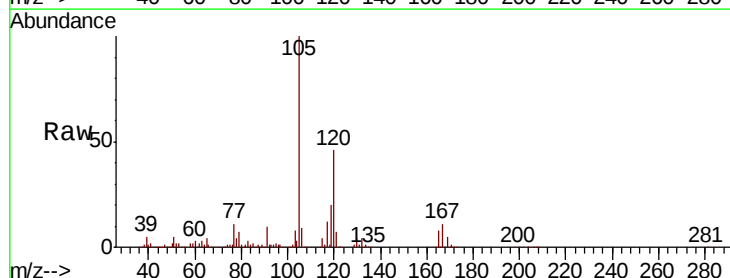
Acq: 10 Sep 2018 19:12

Tgt Ion:105 Resp: 487870

Ion Ratio Lower Upper

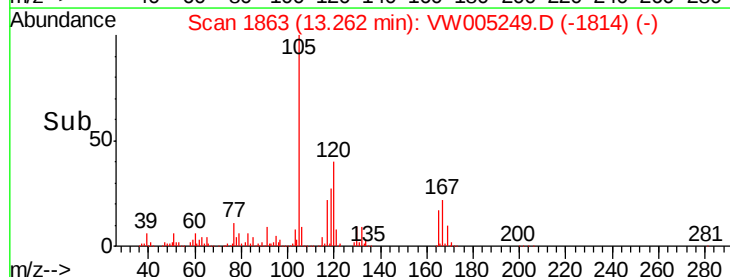
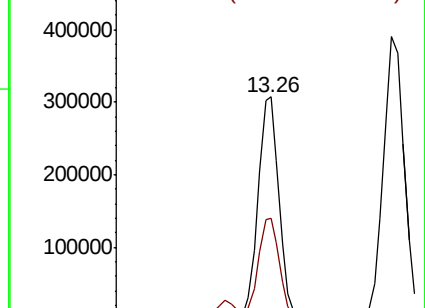
105 100

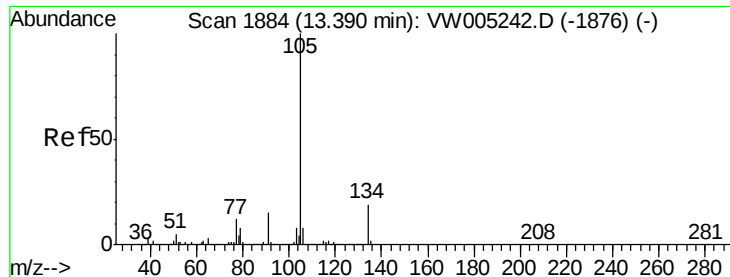
120 46.2 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

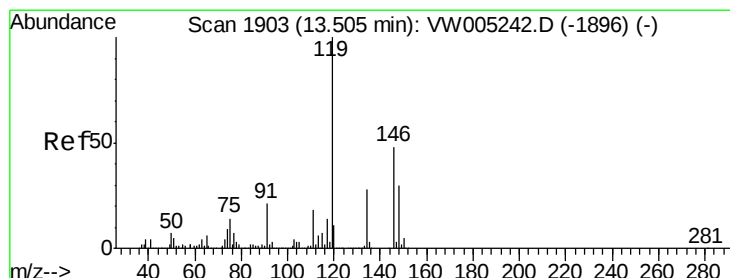
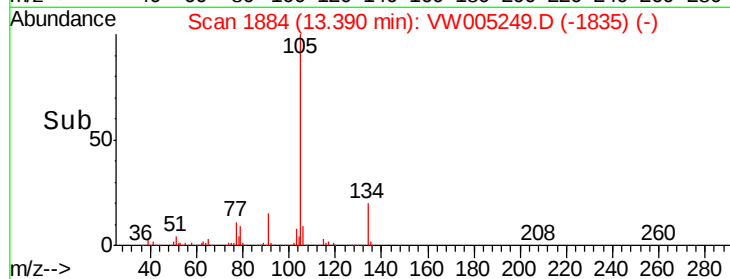
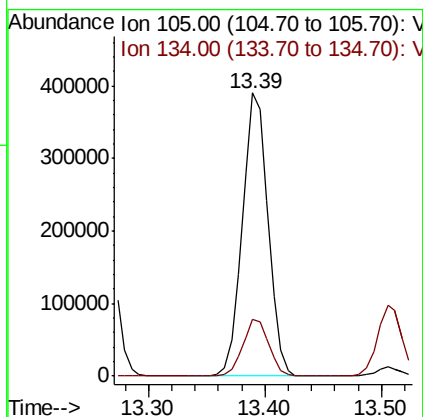
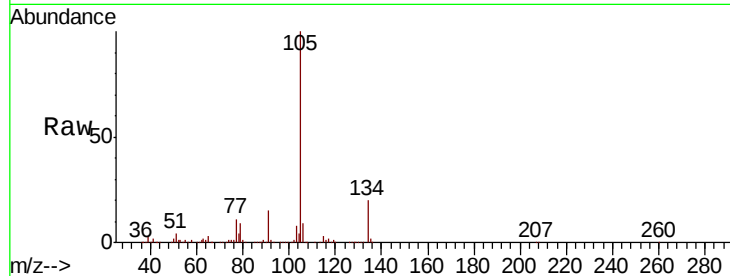




#85  
 sec-Butylbenzene  
 Concen: 19.785 ug/l  
 RT: 13.39 min Scan# 1884  
 Delta R.T. -0.00 min  
 Lab File: VW005249.D  
 Acq: 10 Sep 2018 19:12

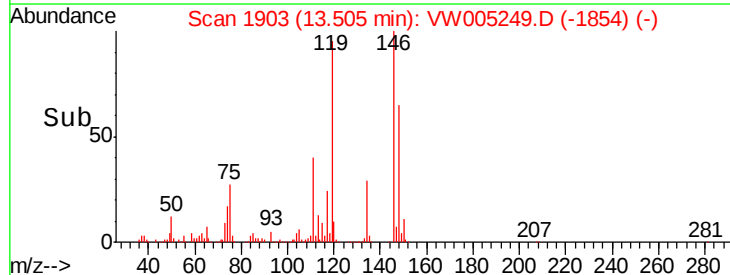
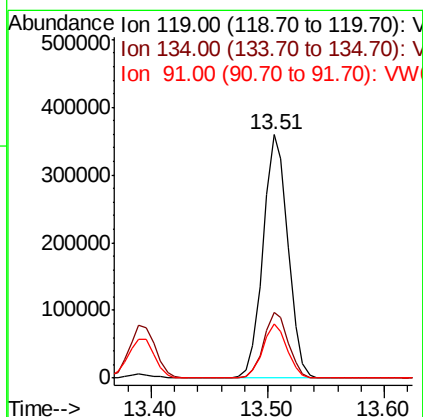
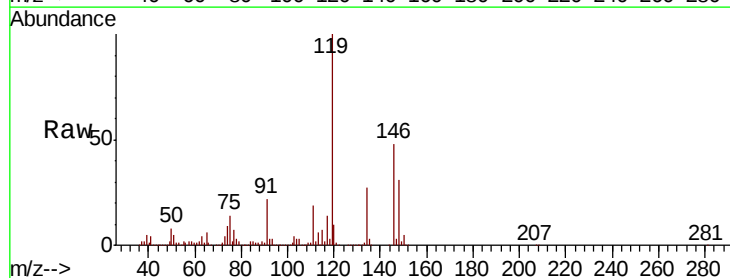
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0910SBSD01

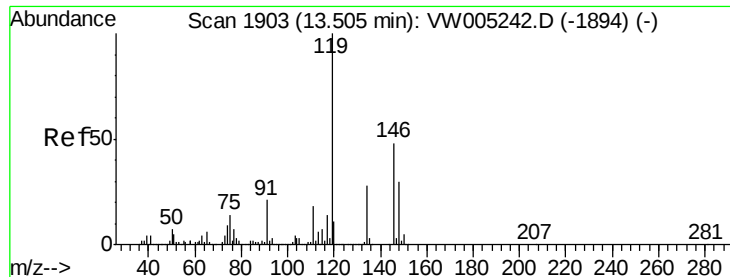
Tgt Ion:105 Resp: 600758  
 Ion Ratio Lower Upper  
 105 100  
 134 20.1 9.9 29.7



#86  
 p-Isopropyltoluene  
 Concen: 19.742 ug/l  
 RT: 13.51 min Scan# 1903  
 Delta R.T. -0.00 min  
 Lab File: VW005249.D  
 Acq: 10 Sep 2018 19:12

Tgt Ion:119 Resp: 530645  
 Ion Ratio Lower Upper  
 119 100  
 134 26.9 13.2 39.5  
 91 21.7 10.7 32.1

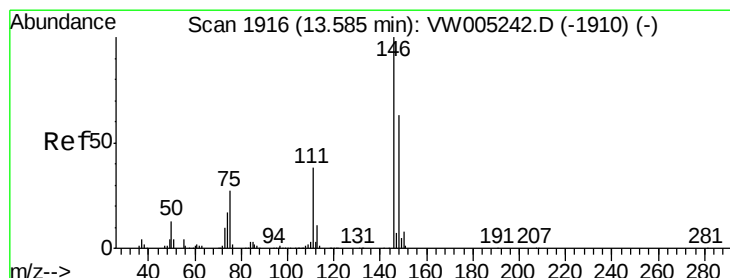
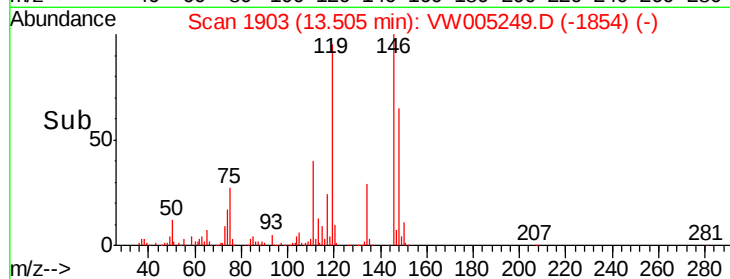
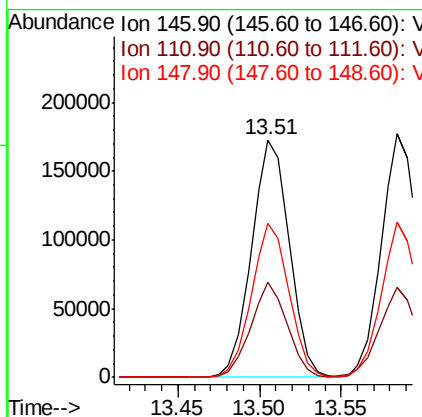
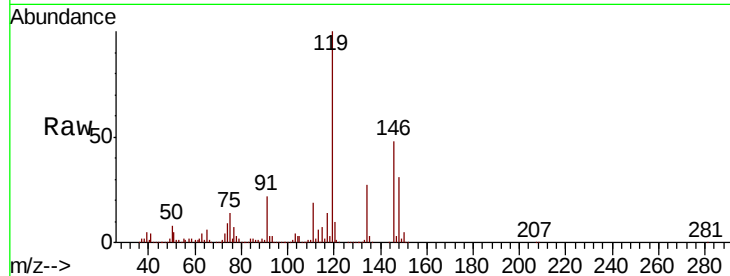




#87  
 1,3-Dichlorobenzene  
 Concen: 19.823 ug/l  
 RT: 13.51 min Scan# 1903  
 Delta R.T. -0.00 min  
 Lab File: VW005249.D  
 Acq: 10 Sep 2018 19:12

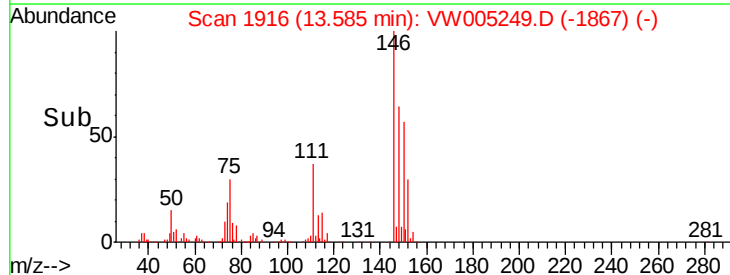
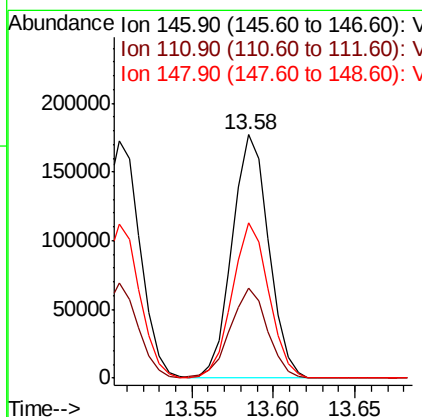
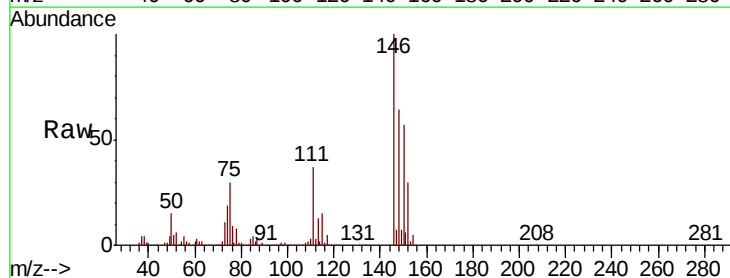
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0910SBSD01

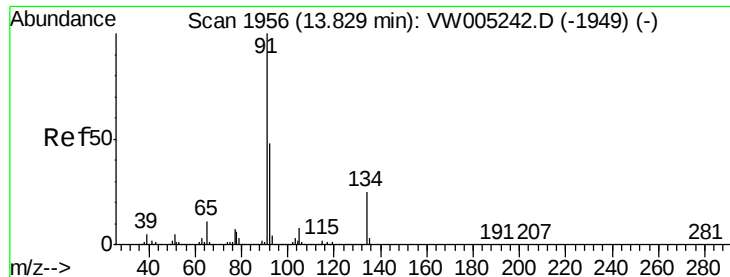
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.6  | 18.8  | 56.3  |
| 148     | 64.0  | 31.6  | 94.8  |



#88  
 1,4-Dichlorobenzene  
 Concen: 20.045 ug/l  
 RT: 13.58 min Scan# 1916  
 Delta R.T. -0.00 min  
 Lab File: VW005249.D  
 Acq: 10 Sep 2018 19:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.8  | 19.1  | 57.3  |
| 148     | 63.8  | 32.3  | 96.9  |





#89

n-Butylbenzene

Concen: 19.221 ug/l

RT: 13.83 min Scan# 1957

Delta R.T. 0.01 min

Lab File: VW005249.D

Acq: 10 Sep 2018 19:12

Instrument :

MSVOA\_W

ClientSampleId :

VW0910SBSD01

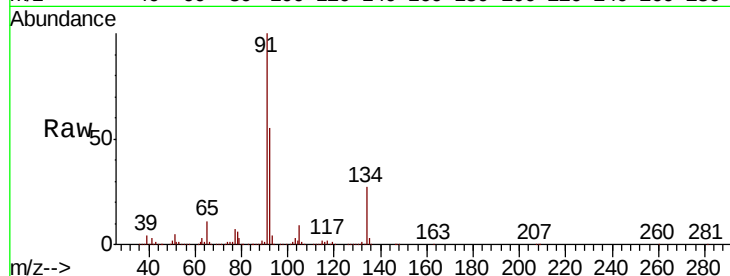
Tgt Ion: 91 Resp: 485678

Ion Ratio Lower Upper

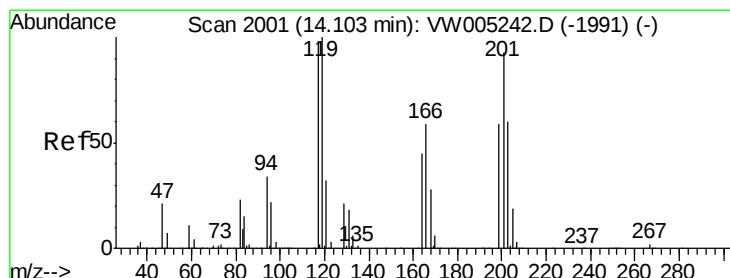
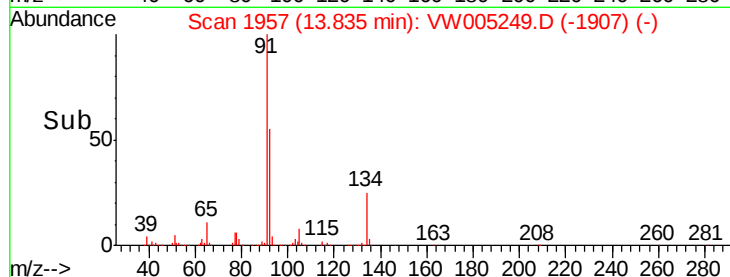
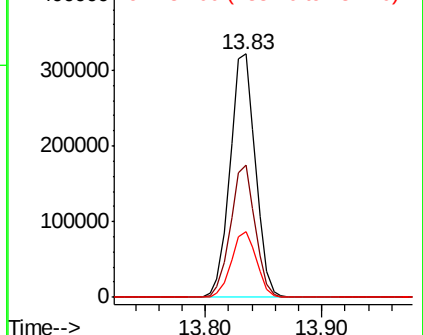
91 100

92 52.9 25.8 77.3

134 26.7 13.6 40.8



Abundance Ion 91.00 (90.70 to 91.70): VW  
Ion 92.00 (91.70 to 92.70): VW  
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 18.926 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. -0.00 min

Lab File: VW005249.D

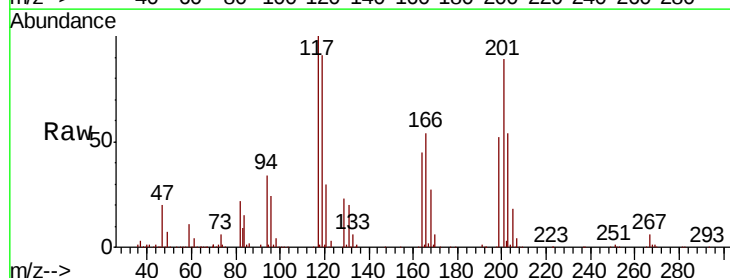
Acq: 10 Sep 2018 19:12

Tgt Ion: 117 Resp: 81505

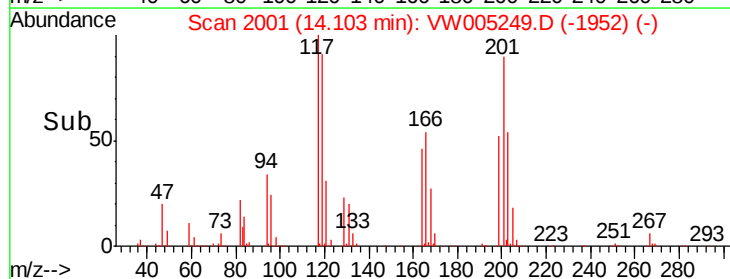
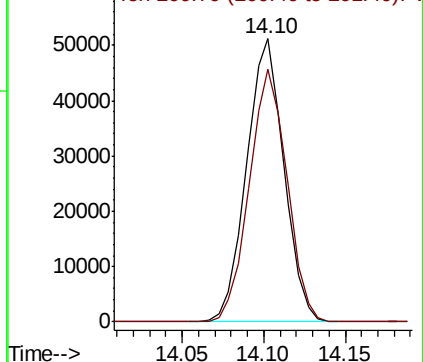
Ion Ratio Lower Upper

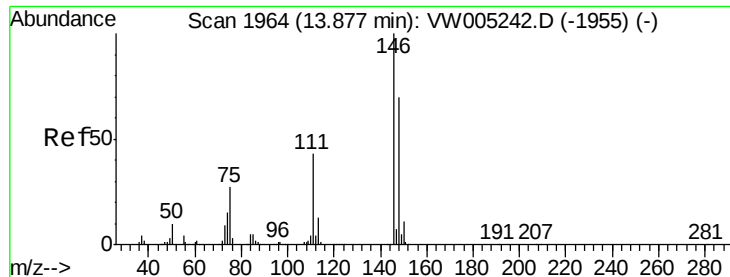
117 100

201 90.0 44.0 132.1



Abundance Ion 116.80 (116.50 to 117.50): V  
Ion 200.70 (200.40 to 201.40): V

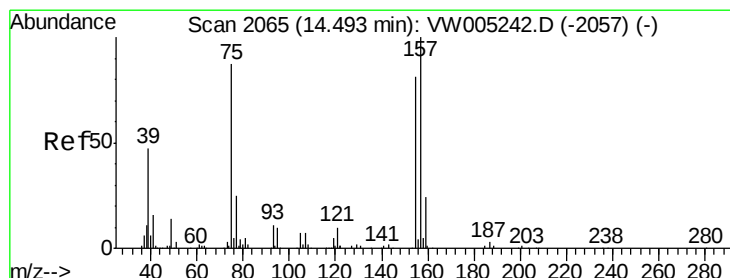
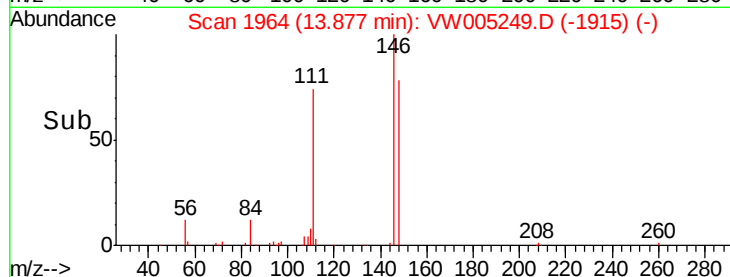
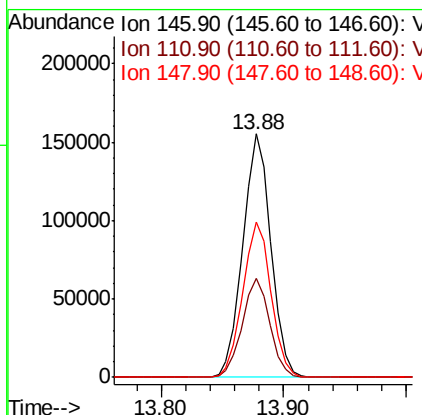
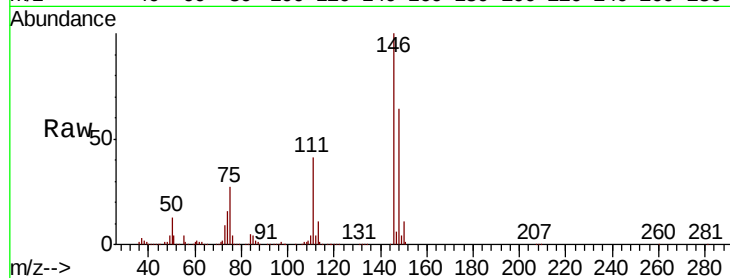




#91  
 1,2-Dichlorobenzene  
 Concen: 20.050 ug/l  
 RT: 13.88 min Scan# 1964  
 Delta R.T. -0.00 min  
 Lab File: VW005249.D  
 Acq: 10 Sep 2018 19:12

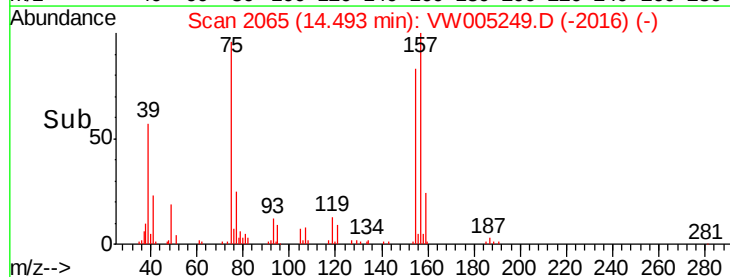
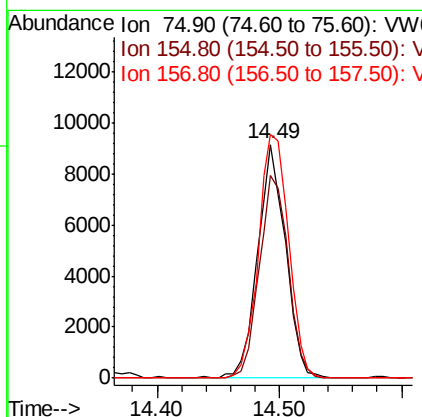
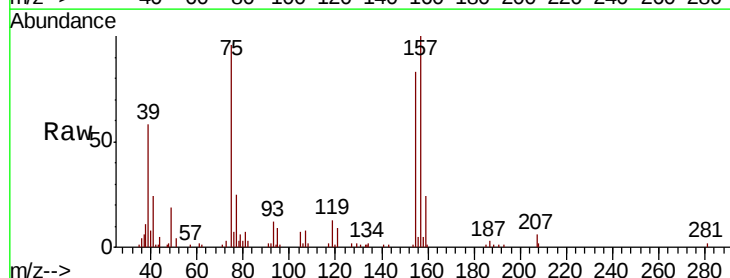
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0910SBSD01

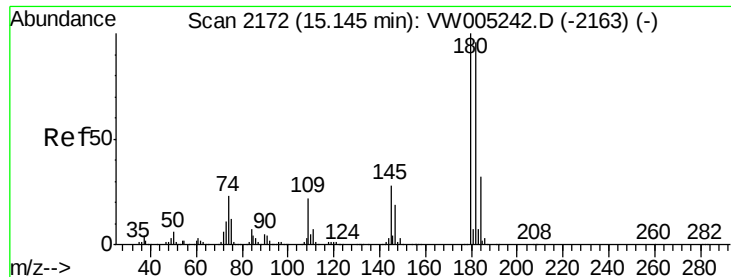
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.1  | 20.5  | 61.5  |
| 148     | 64.2  | 32.7  | 98.1  |



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 20.492 ug/l  
 RT: 14.49 min Scan# 2065  
 Delta R.T. -0.00 min  
 Lab File: VW005249.D  
 Acq: 10 Sep 2018 19:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 89.9  | 47.4  | 142.2 |
| 157     | 113.2 | 59.4  | 178.2 |

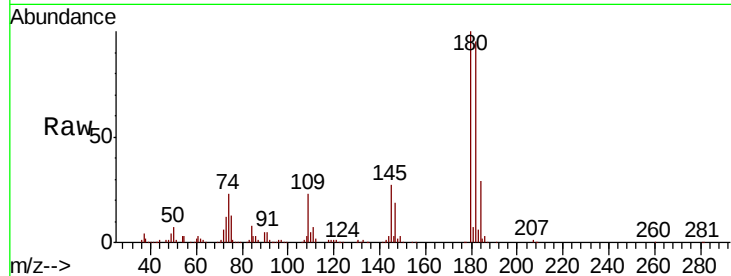




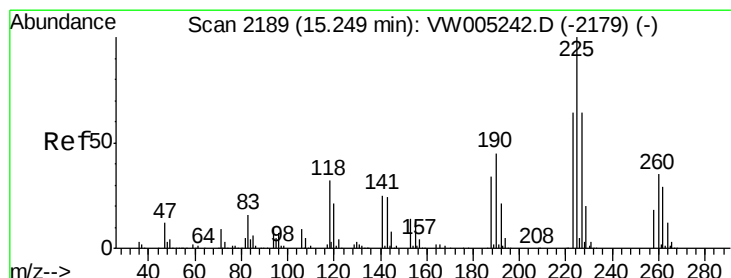
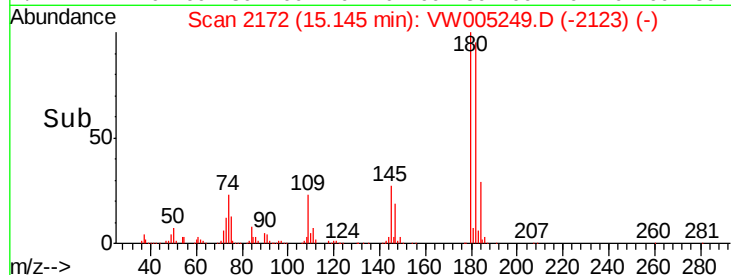
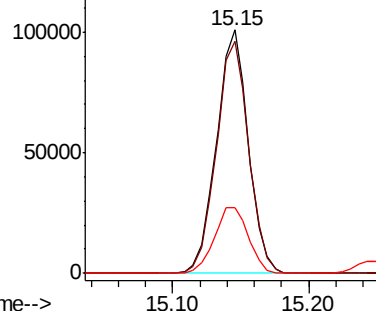
#93  
 1,2,4-Trichlorobenzene  
 Concen: 18.922 ug/l  
 RT: 15.15 min Scan# 2172  
 Delta R.T. -0.00 min  
 Lab File: VW005249.D  
 Acq: 10 Sep 2018 19:12

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0910SBSD01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 96.7  | 48.1  | 144.4 |
| 145     | 29.2  | 14.5  | 43.6  |

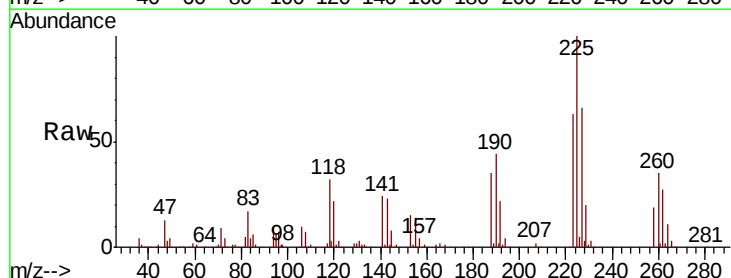


Abundance Ion 179.80 (179.50 to 180.50): V  
 Ion 181.80 (181.50 to 182.50): V  
 Ion 144.80 (144.50 to 145.50): V

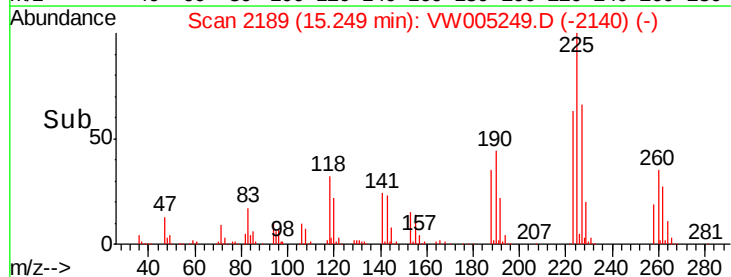
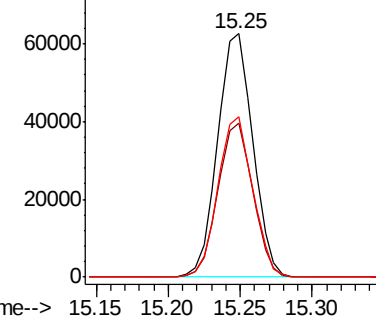


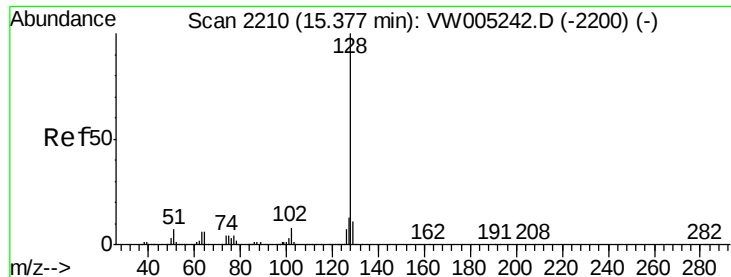
#94  
 Hexachlorobutadiene  
 Concen: 18.916 ug/l  
 RT: 15.25 min Scan# 2189  
 Delta R.T. -0.00 min  
 Lab File: VW005249.D  
 Acq: 10 Sep 2018 19:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 62.5  | 31.4  | 94.2  |
| 227     | 64.9  | 32.0  | 96.0  |



Abundance Ion 224.70 (224.40 to 225.40): V  
 Ion 222.70 (222.40 to 223.40): V  
 Ion 226.70 (226.40 to 227.40): V

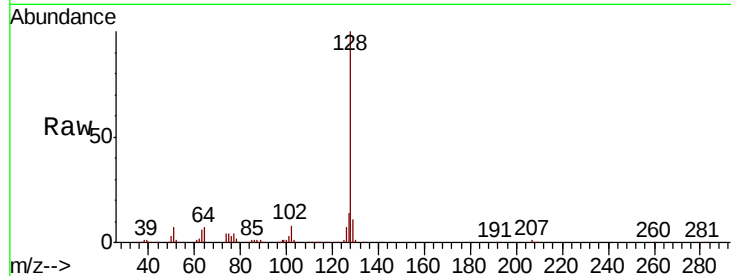




#95  
Naphthalene  
Concen: 18.938 ug/l  
RT: 15.38 min Scan# 2210  
Delta R.T. -0.00 min  
Lab File: VW005249.D  
Acq: 10 Sep 2018 19:12

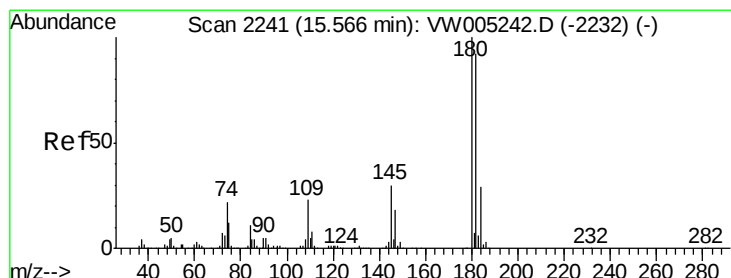
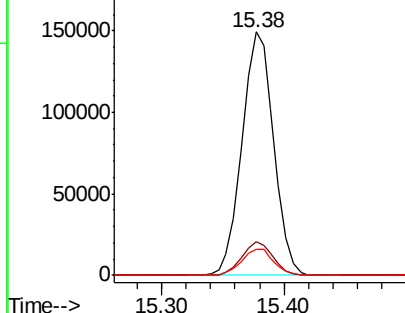
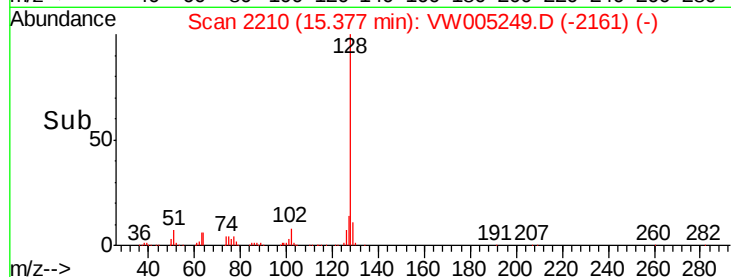
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0910SBSD01

Tgt Ion:128 Resp: 267914  
Ion Ratio Lower Upper  
128 100  
127 13.3 10.3 15.5  
129 11.0 8.8 13.2



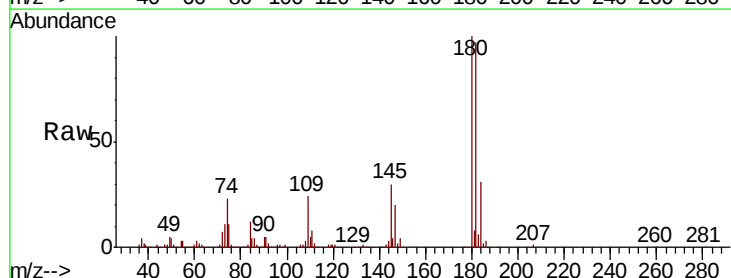
Abundance Ion 128.00 (127.70 to 128.70): V  
Ion 127.00 (126.70 to 127.70): V  
Ion 129.00 (128.70 to 129.70): V

15.38



#96  
1,2,3-Trichlorobenzene  
Concen: 19.552 ug/l  
RT: 15.57 min Scan# 2241  
Delta R.T. -0.00 min  
Lab File: VW005249.D  
Acq: 10 Sep 2018 19:12

Tgt Ion:180 Resp: 146795  
Ion Ratio Lower Upper  
180 100  
182 95.4 47.2 141.6  
145 30.2 15.2 45.6



Abundance Ion 179.80 (179.50 to 180.50): V  
Ion 181.80 (181.50 to 182.50): V  
Ion 144.90 (144.60 to 145.60): V

15.57

